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OM protein - protein search, using SW model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds (without alignments)

129,960 Million cell updates/sec

Title: US-09-202-464-4

Perfect score: 112

Sequence: 1 DANWDQNRMKLADCAVGFGS 20

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Post-processing: Minimum Match 100%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
 1: /cgn2_6_ptodata/1/pubpa/US07_PUBCOMB.pep:
 2: /cgn2_6_ptodata/1/pubpa/US07_PUBCOMB.pep:
 3: /cgn2_6_ptodata/1/pubpa/US06_PUBCOMB.pep:
 4: /cgn2_6_ptodata/1/pubpa/US07_PUBCOMB.pep:
 5: /cgn2_6_ptodata/1/pubpa/US06_PUBCOMB.pep:
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 18: /cgn2_6_ptodata/1/pubpa/US11_PUBCOMB.pep:
 19: /cgn2_6_ptodata/1/pubpa/US60_PUBCOMB.pep:
 20: /cgn2_6_ptodata/1/pubpa/US60_PUBCOMB.pep:
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
US-10-354-240-18

; Sequence 18, App1
 ; Sequence 17, App1
 ; Sequence 19, App1
 ; Sequence 16, App1
 ; Sequence 12, App1
 ; Sequence 18, App1
 ; Sequence 19, App1
 ; Sequence 17, App1
 ; Sequence 18, App1
 ; Sequence 19, App1
 ; Sequence 20, App1
 ; Sequence 21, App1
 ; Sequence 22, App1
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 ; Sequence 24, App1
 ; Sequence 25, App1
 ; Sequence 26, App1
 ; Sequence 27, App1
 ; Sequence 28, App1
 ; Sequence 29, App1
 ; Sequence 30, App1
 ; Sequence 31, App1
 ; Sequence 32, App1
 ; Sequence 33, App1
 ; Sequence 34, App1
 ; Sequence 35, App1
 ; Sequence 36, App1
 ; Sequence 37, App1
 ; Sequence 38, App1
 ; Sequence 39, App1
 ; Sequence 40, App1
 ; Sequence 41, App1
 ; Sequence 42, App1
 ; Sequence 43, App1
 ; Sequence 44, App1
 ; Sequence 45, App1
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 ; Sequence 64, App1
 ; Sequence 65, App1
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 ; Sequence 68, App1
 ; Sequence 69, App1
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 ; Sequence 71, App1
 ; Sequence 72, App1
 ; Sequence 73, App1
 ; Sequence 74, App1
 ; Sequence 75, App1
 ; Sequence 76, App1
 ; Sequence 77, App1
 ; Sequence 78, App1

ORGANISM: Cryptomeria japonica

FEATURE: MISC_FEATURE

NAME/KEY: (1)-(15)

LOCATION: OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4

PRIOR APPLICATION NUMBER: US 10/354,240
CURRENT FILING DATE: 2003-01-29
FILE REFERENCE: SPO-10301
PRIORITY: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1

SEQ ID NO 18
LENGTH: 15
TYPE: PRT
SEQUENCE: QY 6 QNRMKLAADCAYGFGS 20

SUMMARIES

Result No.	Score	Match Length	DB ID	Description
1	79	70.5	15	US-10-354-240-18
2	75	67.0	15	US-10-354-240-17
3	53	47.3	15	US-10-354-240-19
4	48	42.9	15	US-10-354-240-16
5	35.5	31.7	17	US-10-443-349-12
6	35.5	31.7	17	US-10-841-139-12
7	34	30.4	15	US-10-407-449-18
8	34	30.4	15	US-10-407-449-19
9	33	29.5	14	US-10-391-634-39
10	32	28.6	10	US-10-362-204-109
11	32	28.6	14	US-10-333-815-312
12	32	28.6	17	US-10-362-527-148
13	32	28.6	19	US-09-864-761-34046, A

Db 1 QNRMKLADCAVGFGS 15

RESULT 2

US-10-354-240-17
 ; Sequence 17, Application US/10354240
 ; Publication No. US20030185847A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; SEQ ID NO 17
 ; LENGTH: 15
 ; TYPE: PRT
 ; SOFTWARE: PatentIn version 3.1
 ; NUMBER OF SEQ ID NOS: 174
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 3

US-10-354-240-17

Query Match 1 DANWDQNRMKLADCA 15
 Best Local Similarity 86.7%; Score 75; Pred. No. 2.2e-05; Length 15;
 Matches 13; Conservative 1; Indels 0; Gaps 0;

Db 1 DSNAQNRMKLADCA 15

Query Match 1 DANWDQNRMK 10
 Best Local Similarity 80.0%; Score 48; Pred. No. 0.67; Length 15;
 Matches 8; Conservative 1; Indels 0; Gaps 0;

RESULT 4

US-10-354-240-16
 ; Sequence 16, Application US/10354240
 ; Publication No. US20030185847A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 16
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2

US-10-354-240-16

Query Match 1 DANWDQNRMK 10
 Best Local Similarity 80.0%; Score 42.9%; Pred. No. 0.67; Length 15;
 Matches 8; Conservative 1; Indels 0; Gaps 0;

RESULT 5

US-10-443-349-12
 ; Sequence 12, Application US/10443349
 ; Publication No. US2004002385A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgesson, Robert E.
 ; APPLICANT: Wagman, David W.
 ; TITLE OF INVENTION: BIK CHAIN OF LAMMININ AND METHODS OF USE
 ; FILE REFERENCE: 10287/021003
 ; CURRENT APPLICATION NUMBER: US/10/443,349
 ; CURRENT FILING DATE: 2003-05-22
 ; PRIOR APPLICATION NUMBER: US/09/161,872
 ; PRIOR FILING DATE: 1998-09-28
 ; PRIOR APPLICATION NUMBER: US 08/735,893
 ; PRIOR FILING DATE: 1996-10-23
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 12
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-443-349-12

Query Match 1 DANWDQNRMK 10
 Best Local Similarity 31.7%; Score 35.5; Pred. No. 92; Length 17;
 Matches 7; Conservative 4; Indels 1; Gaps 1;

RESULT 3

US-10-354-240-19
 ; Sequence 19, Application US/10354240
 ; Publication No. US20030185847A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 19
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5

US-10-354-240-19

Query Match 1 DANWDQNRMK 10
 Best Local Similarity 46.7%; Score 35.5; Pred. No. 92; Length 15;
 Matches 7; Conservative 4; Indels 1; Gaps 1;

Qy 5 DON-RMKLADCAVGF 18
 Db 1 DENPDIECADCPIGF 15

RESULT 6
 US-10-841-139-12
 ; Sequence 12, Application US/10841139
 ; Publication No. US200400208881A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgesson, Robert E.
 ; APPLICANT: Wagman, David W.
 ; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE
 ; FILE REFERENCE: 1028/7/021003
 ; CURRENT APPLICATION NUMBER: US /10/841,139
 ; CURRENT FILING DATE: 2004-05-07
 ; PRIOR APPLICATION NUMBER: US/10/443,349
 ; PRIOR FILING DATE: 2003-05-22
 ; PRIOR APPLICATION NUMBER: US/09/161,872
 ; PRIOR FILING DATE: 1998-09-28
 ; PRIOR APPLICATION NUMBER: US 08/735,893
 ; PRIOR FILING DATE: 1996-10-23
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 12
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-841-139-12

Query Match 31.7%; Score 35.5%; DB 17; Length 17;
 Best Local Similarity 46.7%; Pred. No. 92; Indels 3; Gaps 1;

Qy 5 DON-RMKLADCAVGF 18
 Db 1 DENPDIECADCPIGF 15

RESULT 7
 US-10-407-449-18
 ; Sequence 18, Application US/10407449
 ; Publication No. US20040005601A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Siddiqui-Jain, Adam
 ; APPLICANT: Hurley, Laurence
 ; APPLICANT: Farrell, Thomas
 ; APPLICANT: Grand, Cory
 ; TITLE OF INVENTION: METHODS FOR TARGETTING QUADRUPLEX DNA
 ; FILE REFERENCE: 53223/7/2004.00
 ; CURRENT APPLICATION NUMBER: US/10/407,449
 ; CURRENT FILING DATE: 2003-04-04
 ; PRIOR APPLICATION NUMBER: US 60/404,966
 ; PRIOR FILING DATE: 2002-08-04
 ; PRIOR APPLICATION NUMBER: US 60/370,358
 ; PRIOR FILING DATE: 2002-04-05
 ; PRIOR APPLICATION NUMBER: Unknown
 ; PRIOR FILING DATE: 2003-03-20
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 18
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Antennapedia
 US-10-407-449-18

Query Match 30.4%; Score 34; DB 15; Length 15;
 Best Local Similarity 85.7%; Pred. No. 1.4e+02; Indels 1; Gaps 0;

Qy 4 WDQNRMK 10
 Db 4 WFQNRMK 10

RESULT 8
 US-10-407-449-19
 ; Sequence 19, Application US/10407449
 ; Publication No. US2004000561A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Siddiqui-Jain, Adam
 ; APPLICANT: Hurley, Laurence
 ; APPLICANT: Farrell, Thomas
 ; APPLICANT: Grand, Cory
 ; APPLICANT: Bearss, David
 ; TITLE OF INVENTION: METHODS FOR TARGETTING QUADRUPLEX DNA
 ; FILE REFERENCE: 53223/7/2004.00
 ; CURRENT APPLICATION NUMBER: US/10/407,449
 ; CURRENT FILING DATE: 2003-04-04
 ; PRIOR APPLICATION NUMBER: US 60/404,966
 ; PRIOR FILING DATE: 2002-08-04
 ; PRIOR APPLICATION NUMBER: US 60/370,358
 ; PRIOR FILING DATE: 2002-04-05
 ; PRIOR APPLICATION NUMBER: Unknown
 ; PRIOR FILING DATE: 2003-03-20
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 19
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Antennapedia
 US-10-407-449-19

Query Match 30.4%; Score 34; DB 15; Length 15;
 Best Local Similarity 85.7%; Pred. No. 1.4e+02; Indels 0; Gaps 0;

Qy 4 WDQNRMK 10
 Db 4 WFQNRMK 10

RESULT 9
 US-10-391-634-39
 ; Sequence 39, Application US/10391634
 ; Publication No. US20030232339A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
 ; FILE REFERENCE: D02531D
 ; CURRENT APPLICATION NUMBER: US/10/391,634
 ; CURRENT FILING DATE: 2003-03-18
 ; PRIOR APPLICATION NUMBER: U.S. 60/365,350
 ; PRIOR FILING DATE: 2002-03-18
 ; NUMBER OF SEQ ID NOS: 51
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 39
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-391-634-39

Query Match 29.5%; Score 33; DB 14; Length 14;
 Best Local Similarity 42.9%; Pred. No. 1.9e+02; Indels 5; Gaps 0;

Qy 5 DONRMKLADCAVGF 18
 Db 5 ENKRISLYECAVQF 14

RESULT 10
 US-10-363-204-109
 ; Sequence 10, Application US/10363204109A1
 ; Publication No. US20030232339A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
 ; FILE REFERENCE: D02531D
 ; CURRENT APPLICATION NUMBER: US/10/391,634
 ; CURRENT FILING DATE: 2003-03-18
 ; PRIOR APPLICATION NUMBER: U.S. 60/365,350
 ; PRIOR FILING DATE: 2002-03-18
 ; NUMBER OF SEQ ID NOS: 51
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 39
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-363-204-109

Query Match 29.5%; Score 33; DB 14; Length 14;
 Best Local Similarity 42.9%; Pred. No. 1.9e+02; Indels 5; Gaps 0;

Qy 4 WDQNRMK 10

Sequence 109, Application US/10363204
 Publication No. US20040170955A1
 GENERAL INFORMATION:
 APPLICANT: Board of Regents The University of Texas System
 TITLE OF INVENTION: Human and Mouse Targeting Peptides Identified by Phage Display
 FILE REFERENCE: 00574.P003PCT
 CURRENT APPLICATION NUMBER: US/10/363,204
 CURRENT FILING DATE: 2003-03-07
 NUMBER OF SEQ ID NOS: 251
 SEQ ID NO 109
 LENGTH: 10
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: Peptide
 LOCATION: (1...)(10)
 OTHER INFORMATION: synthetic construct
 US-10-363-204-109

Query Match 28.6%; Score 32; DB 16; Length 10;
 Best Local Similarity 63.6%; Pred. No. 2e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 1;

Qy	4 WDQNRMKLADC 14	10 KLAQCAVG 17
Db	2 WDQN-YLDDC 10	7 QMADCAAG 14

RESULT 11
 US-10-393-815-312
 Sequence 312, Application US/10393815
 Publication No. US20030224413A1
 GENERAL INFORMATION:
 APPLICANT: Shinketsu, Richard A
 APPLICANT: Leach, Martin
 TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide Polymorphisms
 FILE REFERENCE: 15946-534B
 CURRENT APPLICATION NUMBER: US/10/393,815
 CURRENT FILING DATE: 2003-03-20
 PRIOR APPLICATION NUMBER: 60/109,024
 PRIOR FILING DATE: 1998-11-17
 NUMBER OF SEQ ID NOS: 320
 SOFTWARE: Curagen Patent Formatter Version 0.9
 SEQ ID NO 312
 LENGTH: 14
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: VARIANT
 LOCATION: (8)...(0)
 OTHER INFORMATION: cSNP translation
 US-10-393-815-312

Query Match 28.6%; Score 32; DB 14; Length 14;
 Best Local Similarity 60.0%; Pred. No. 2.8e+02;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy	5 DQNRMKLADC 14	10 KLAQCAVG 17
Db	2 DGNRSRLAFC 11	7 QMADCAAG 14

RESULT 12
 US-10-362-527-148
 Sequence 148, Application US/10362527
 Publication No. US20040030106A1
 GENERAL INFORMATION:
 APPLICANT: Friede, Martin
 APPLICANT: Mason, Sean
 APPLICANT: Turnell, William Gordon
 APPLICANT: Vinals Y De Bassols, Carlota

PRIOR FILING DATE: 2000-09-21
 PRIOR APPLICATION NUMBER: US 09/608, 408
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: US 09/774, 203
 PRIOR FILING DATE: 2001-01-29
 NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 34046
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO ACO04967.2
 OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.6
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.2
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
 OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.1
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
 US-09-864-761-34046

Query Match Score 32; DB 9; Length 19;
 Best Local Similarity 36.4%; Pred. No. 4e+02;
 Matches 4; Conservative 3; Indels 0; Gaps 0;

Qy 3 NWDNORMKLA 13
 Db 1 SWSSNRLRKKD 11

RESULT 14
 US-10-327-598-726
 ; Sequence 726, Application US/10327598
 ; Publication No. US20040181039A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: Krah, Eugene
 ; APPLICANT: Guo, Hongliang
 ; APPLICANT: Aiyappa, Ashok
 ; APPLICANT: Lawton, Robert
 ; TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and
 ; TITLE OF INVENTION: For Making and Using Them
 FILE REFERENCE: 01-799-A
 CURRENT APPLICATION NUMBER: US/10/327,598
 CURRENT FILING DATE: 2002-12-20
 PRIOR FILING DATE: 2001-12-21
 NUMBER OF SEQ ID NOS: 1139
 SEQ ID NO: 726
 LENGTH: 11
 TYPE: PRT
 ORGANISM: canis familiaris;
 US-10-327-598-726

Query Match Score 31; DB 16; Length 11;
 Best Local Similarity 40.0%; Pred. No. 3.2e+02;
 Matches 4; Conservative 2; Indels 0; Gaps 0;

Qy 2 ANWDONRMKL 11
 Db 1 SSWDNNLKIKI 10

RESULT 15
 US-09-855-604-70
 ; Sequence 70, Application US/0955604
 ; Publication No. US20040214165A1.
 ; GENERAL INFORMATION:
 ; APPLICANT: GICQUEL, BRIGITTE



GenCore version 5.1.6
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Om protein - protein search, using bw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds (without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-4

Perfect score: 112

Sequence: 1 DAWDQNRMKLAQAVGFGS 20

Scoring table: BL05M62

Gapext: 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0% Maximum Match 10.0%

Listing first 45 summaries

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 5: /cgn2_6/.ptodata/1/iaa/PCTUS_COMBO.pep;*
 6: /cgn2_6/.ptodata/1/iaa/backfile1.backfile1.pep;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	79	70.5	15	4 US-09-142-524D-18	Sequence 18, App1
3	75	67.0	15	4 US-09-142-524D-17	Sequence 17, App1
4	53	47.3	15	4 US-09-142-524D-19	Sequence 19, App1
5	53	47.3	20	3 US-08-467-023-28	Sequence 28, App1
6	48	42.9	15	4 US-09-142-524D-16	Sequence 16, App1
7	48	42.9	20	3 US-08-467-023-18	Sequence 18, App1
8	48	42.9	20	3 US-08-467-023-26	Sequence 26, App1
9	35.5	31.7	17	1 US-08-142-121-12	Sequence 12, App1
10	35.5	31.7	17	2 US-08-735-893-12	Sequence 12, App1
11	32	28.6	12	1 US-08-241-054-135	Sequence 135, App1
12	32	28.6	12	1 US-08-439-817-138	Sequence 138, App1
13	32	28.6	12	1 US-08-485-508-135	Sequence 135, App1
14	32	28.6	16	4 US-09-620-091-312	Sequence 312, App1
15	30.5	27.2	18	3 US-09-202-316-9	Sequence 9, App1
16	30	26.8	17	2 US-09-620-091-312	Sequence 12, App1
17	30	26.8	11	4 US-09-620-091-317	Sequence 135, App1
18	30	26.8	14	1 US-08-478-312-32	Sequence 32, App1
19	30	26.8	14	1 US-08-485-302-32	Sequence 32, App1
20	30	26.8	16	4 US-09-620-091-273	Sequence 273, App1
21	30	26.8	16	4 US-09-620-091-309	Sequence 309, App1
22	30	26.8	16	4 US-09-620-091-335	Sequence 335, App1
23	30	26.8	16	4 US-09-620-091-341	Sequence 341, App1
24	29	25.9	6	1 US-08-290-448A-43	Sequence 43, App1
25	29	25.9	6	1 US-08-290-448A-43	Sequence 43, App1
26	29	25.9	6	1 US-08-175-069A-43	Sequence 43, App1
27	29	25.9	6	3 US-08-461-939B-43	Sequence 43, App1

ALIGNMENTS

RESULT 1
US-08-467-023-27
; Sequence 27, Application US/0846707023
; Patent No. 609386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J. ;
 ; APPLICANT: Pollock, Joanne ;
 ; APPLICANT: Bond, Julian F. ;
 ; APPLICANT: Garman, Richard D. ;
 ; APPLICANT: Kuo, Mei-Chang ;
 ; APPLICANT: Young, Ssu-mei H. ;
 ; APPLICANT: Brauer, Andrew ;
 ; APPLICANT: Exley, Mark A. ;
 ; APPLICANT: Powers, Steven P. ;
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02454

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/467,023
 ; FILING DATE: June 6, 1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/350,225
 ; FILING DATE: December 6, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane E. Remillard
 ; REGISTRATION NUMBER: 38,872
 ; REFERENCE/DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 27:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal

US-08-467-023-27

Query Match 90.2%; Score 101; DB 3; Length 20;
 Best Local Similarity 90.0%; Pred. No. 5.1e-10;
 Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWQNRMLADCAVGFGS 20

Db 1 DSNWQNRMLADCAVGFGS 20

RESULT 2

US-09-142-524D-18

; Sequence 18, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 18

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4

US-09-142-524D-18

Query Match 70.5%; Score 79; DB 4; Length 15;

Best Local Similarity 100.0%; Pred. No. 1.6e-06;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 QNRMLADCAVGFGS 20

Db 1 QNRMLADCAVGFGS 15

RESULT 3

US-09-142-524D-17

; Sequence 17, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 17

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

RESULT 4

US-09-142-524D-17

; Sequence 19, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 19

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5

US-09-142-524D-19

; Sequence 20, Application US/09142524D

; Patent No. 6050386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J.

; APPLICANT: Pollock, Joanne

; APPLICANT: Bond, Julian F.

; APPLICANT: Garman, Richard D.

; APPLICANT: Kuo, Mei-Chang

; APPLICANT: Yeng, Siu-Mei H.

; APPLICANT: Brauer, Andrew

; APPLICANT: Exley, Mark A.

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 us-08-467-023-28

Query Match Score 53; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.041; Mismatches 0; Indels 0; Gaps 0;

Qy 11 LADCAVGFGS 20

Db 1 LADCAVGFGS 10

RESULT 6
 US-09-142-524D-16
 / Sequence 16, Application US/09142524D
 / Patent No. 6719976
 / GENERAL INFORMATION:
 / APPLICANT: Sone, Toshio
 / APPLICANT: Kume, Akinori
 / APPLICANT: Dairiki, Kazuo
 / APPLICANT: Iwama, Akiko
 / APPLICANT: Kino, Kohsuke
 / TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 / FILE REFERENCE: SPO-103
 / CURRENT APPLICATION NUMBER: US/09/142,524D
 / CURRENT FILING DATE: 1998-09-09
 / PRIOR FILING DATE: 1997-03-10
 / NUMBER OF SEQ ID NOS: 174
 / SEQ ID NO 16
 / LENGTH: 15
 / TYPE: PRT
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: MISC_FEATURE

LOCATION: (1)-(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2
 us-09-142-524D-16

Query Match Score 48; DB 4; Length 15;

Pred. No. 0.22; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMK 10

:||| |||||

Db 6 DSNWAQNRMK 15

Query Match Score 42.9%; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.28; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMK 10

:||| |||||

Db 11 DSNWAQNRMK 20

RESULT 8
 US-08-467-023-26
 ; Sequence 26, Application US/08467023
 ; Patent No. 6090386

RESULT 7
 US-08-467-023-18
 / Sequence 18, Application US/08467023
 / Patent No. 6090386
 / GENERAL INFORMATION:
 / APPLICANT: Griffeth, Irwin J.;
 / APPLICANT: Pollock, Joanne;
 / APPLICANT: Bond, Julian P.;
 / APPLICANT: Garman, Richard D.;
 / APPLICANT: Kuo, Mei-Chang;
 / APPLICANT: Yung, Shu-Mei H.;
 / APPLICANT: Brauer, Andrew;
 / APPLICANT: Exley, Mark A.;
 / APPLICANT: Powers, Steven P.;
 / TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
 / NUMBER OF SEQUENCES: 261
 / CORRESPONDENCE ADDRESS:
 / STREET: 610 Lincoln St.
 / CITY: Waltham
 / STATE: MA
 / COUNTRY: USA
 / ZIP: 02454
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/467,023
 / FILING DATE: June 6, 1995
 / CLASSIFICATION: 424
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: 08/350,225
 / FILING DATE: December 6, 1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Jane E. Remillard
 / REGISTRATION NUMBER: 38,872
 / REFERENCE DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (617) 227-5940
 / TELEFAX: (617) 227-5941
 / INFORMATION FOR SEQ ID NO: 18:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 20 amino acids
 / TYPE: amino acid
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / FRAGMENT TYPE: N-terminal
 / ORIGINAL SOURCE:
 / ORGANISM: Cryptomeria japonica
 / FEATURE:
 / NAME/KEY: Modified-site
 / LOCATION: 7
 / OTHER INFORMATION: /notes= "the amino acid at position 7 is Ser, Cys, Thr, or His"
 / OTHER INFORMATION: US-08-467-023-18

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanenic Cedar Pollen

NUMBER OF SEQUENCES: 261

ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 REFERENCE/DOCKET NUMBER: 025..6 USDD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025..6 USDD2 (IMI-028CPD2)

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids
 TYPE: amino acid
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: Internal

US-08-467-023-26

Query Match Score 48; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.28;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAWDNQRMK 10
 Db 11 DSNWAQNRMK 20

RESULT 9

US-08-144-12-12

Sequence 12, Application US/0844121
 Patent No. 5610031

GENERAL INFORMATION:

APPLICANT: Burgess, Robert E.
 APPLICANT: Wagman, David W.

TITLE OF INVENTION: BIL CHAIN OF LAMININ AND METHODS OF USE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: BOSTON
 STATE: Massachusetts
 COUNTRY: United States
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/735,893
 FILING DATE: 18-OCT-1996
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

REFERENCE/DOCKET NUMBER: US 08/144,121
 FILING DATE: 27-OCT-1993
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Myers, Paul L.
 REGISTRATION NUMBER: 35,965
 REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021DV
 TELEPHONE: (617) 227-7400

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; US-08-735-893-12
 ; Query Match Score 35.5; DB 2; Length 17;
 ; Best Local Similarity 46.7%; Pred. No. 26;
 ; Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;
 ; QY 5 DQN-RMKLADCAVGF 18
 ; | : | : | : ||
 ; Db 1 DENDDIECADCPIGF 15
 ;
 RESULT 12
 US-08-439-817-138
 ; Sequence 138, Application US/08439817
 ; Patent No. 5728802
 ; GENERAL INFORMATION:
 ; APPLICANT: Barrett, Ronald W.
 ; APPLICANT: Cwirila, Steven E.
 ; APPLICANT: Dower, William J.
 ; APPLICANT: Koller, Kerry J.
 ; APPLICANT: Lee, Jung
 ; APPLICANT: Martens, Christine L.
 ; APPLICANT: Ruhland-Pritsch, Beatrice
 ; APPLICANT: Martens', Christine L.
 ; TITLE OF INVENTION: Peptides and Compounds That Bind Leukocyte Adhesion
 ; TITLE OF INVENTION: Peptides and Compounds That Bind Endothelial Leukocyte Adhesion
 ; NUMBER OF SEQUENCES: 209
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Affymax Technologies, NV
 ; STREET: 4001 Miranda Ave.
 ; CITY: Palo Alto
 ; STATE: California
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/241,054
 ; FILING DATE: 11-MAY-1994
 ; CLASSIFICATION: 530
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/057,295
 ; FILING DATE: 05-MAY-1993
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/241,054
 ; FILING DATE: 06-MAY-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Gerald F. Swiss
 ; REGISTRATION NUMBER: 30,113
 ; REFERENCE/DOCKET NUMBER: 000324-0022
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-854-7400
 ; TELEFAX: 415-654-8275
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 12 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; NAME/KEY: Region
 ; LOCATION: one-of(11)
 ; OTHER INFORMATION: /note= "Xaa is No. 5643873leucine."
 ; NAME/KEY: Region
 ; LOCATION: one-of(11)
 ; OTHER INFORMATION: /note= "Xaa is norleucine."
 ; US-08-439-817-138

Query Match 28.6%; Score 32; DB 1; Length 12;
 Best Local Similarity 83.3%; Pred. No. 67;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 DANWDQ 6
 Db 1 DATWDQ 6

RESULT 13
 US-08-485-508-135
 ; Sequence 135, Application US/08485508
 ; GENERAL INFORMATION:
 ; APPLICANT: Barrett, Ronald W.
 ; APPLICANT: Cwirla, Steven E.
 ; APPLICANT: Dower, William J.
 ; APPLICANT: Koller, Kerry J.
 ; APPLICANT: Lee, Jung
 ; APPLICANT: Martens, Christine L.
 ; APPLICANT: Ruhland-Fritsch, Beatrice
 TITLE OF INVENTION: Peptides and Compounds That Bind
 Selectins Including Endothelial Leukocyte Adhesion
 TITLE OF INVENTION: Molecule I
 NUMBER OF SEQUENCES: 162
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Affymax Technologies, NV
 STREET: 4001 Mirranda Ave.
 CITY: Palo Alto
 STATE: California
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/485,508
 FILING DATE: Herewith
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/241,054
 FILING DATE: 11-MAY-1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/057,295
 FILING DATE: 05-MAY-1993
 TELECOMMUNICATION INFORMATION:
 APPLICATION NUMBER: US 07/881,395
 FILING DATE: 06-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Stevens, Lauren L.
 REGISTRATION NUMBER: 36,691
 REFERENCE/DOCKET NUMBER: 000324-002/1056
 TELEPHONE: 415-496-2300
 TELEFAX: 415-424-0832
 INFORMATION FOR SEQ ID NO: 135:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 12 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Region
 LOCATION: one-of(11)
 OTHER INFORMATION: /note= "Xaa is norleucine."
 FEATURE:
 NAME/KEY: Region
 LOCATION: one-of(12)

OTHER INFORMATION: /note= "C-terminal Lys is hydroxylated."
 US-08-485-508-135
 Query Match 28.6%; Score 32; DB 1; Length 12;
 Best Local Similarity 83.3%; Pred. No. 67;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 DANWDQ 6
 Db 1 DATWDQ 6

RESULT 14
 US-09-620-091-312
 ; Sequence 312, Application US/09620091
 ; GENERAL INFORMATION:
 ; Patent No. 6716811
 ; APPLICANT: CWIRLA, STEVEN E.
 ; APPLICANT: BALU, PALANI
 ; APPLICANT: DUFFIN, DAVID J.
 ; APPLICANT: PIPLANI, SUNILKA
 ; APPLICANT: MERRILL, BARBARA MCOWEN
 ; APPLICANT: SCHATZ, PETER JOSEPH
 ; TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
 STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
 ; TITLE OF INVENTION: USES
 ; FILE REFERENCE: 0300-0014
 ; CURRENT APPLICATION NUMBER: US/09/620,091
 ; CURRENT FILING DATE: 2000-07-20
 ; NUMBER OF SEQ ID NOS: 491
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 312
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 ; OTHER INFORMATION: peptide
 US-09-620-091-312

Query Match 28.6%; Score 32; DB 4; Length 16;
 Best Local Similarity 60.0%; Pred. No. 92;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 Qy 6 ONRMKLDCA 15
 Db 4 QCBLKLAECA 13

RESULT 15
 US-09-202-316-9
 ; Sequence 9, Application US/09202316
 ; Patent No. 6297054
 ; GENERAL INFORMATION:
 ; APPLICANT: Pal Maliga
 ; APPLICANT: Helaine Carrer
 ; APPLICANT: Sumita Chaudhuri
 ; TITLE OF INVENTION: Editing-Based Selectable Plastid Marker
 ; TITLE OF INVENTION: Genes
 ; FILE REFERENCE: Rut-96-06041
 ; CURRENT APPLICATION NUMBER: US/09/202,316
 ; CURRENT FILING DATE: 1999-06-01
 ; PRIORITY APPLICATION NUMBER: PCT/US97/10318
 ; PRIOR FILING DATE: 1997-06-13
 ; PRIOR APPLICATION NUMBER: 60/19,741
 ; PRIOR FILING DATE: 1996-06-14
 ; NUMBER OF SEQ ID NOS: 60
 ; SOFTWARE: FastSBQ for Windows Version 3.0
 ; SEQ ID NO 9
 ; LENGTH: 18
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:

OTHER INFORMATION: Synthetic Sequence
us-09-202-316-9

Query Match 27.2%; Score 30.5; DB 3; Length 18;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 3; Gaps 1;
Qy 3 NWDNORMKLADC 14
Db 3 NWGLNKM--DC 11

Search completed: January 26, 2005, 00:05:10
Job time : 17.9 secs



GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

(Without alignments)
129,960 Million cell updates/sec

Title: US-09-202-464-6

Perf score: 106

Sequence: 1 SAMGCKGGAAFYTVTSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters:

296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:^{*}

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2: /cgn2_6/ptodata/1/pubcaa/US06_NEWPUB.pep:*

3: /cgn2_6/ptodata/1/pubcaa/US06_NEWPUB.pep:*

4: /cgn2_6/ptodata/1/pubcaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubcaa/US07_NEWPUB.pep:*

6: /cgn2_6/ptodata/1/pubcaa/PTCT5_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubcaa/US08_NEWPUB.pep:*

8: /cgn2_6/ptodata/1/pubcaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubcaa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubcaa/US09B_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubcaa/US09C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pubcaa/US09_NEWPUB.pep:*

13: /cgn2_6/ptodata/1/pubcaa/US10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubcaa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubcaa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubcaa/US10D_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pubcaa/US10D_NEWPUB.pep:*

18: /cgn2_6/ptodata/1/pubcaa/US11_NEWPUB.pep:*

19: /cgn2_6/ptodata/1/pubcaa/US60_NEWPUB.pep:*

20: /cgn2_6/ptodata/1/pubcaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Query Match Score 66; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0073; 2; Mismatches 1; Indels 0; Gaps 0;

Result No.	Score	Match	Length	DB ID	Description
1	66	62.3	15	14 US-10-354-240-22	Sequence 22, Appl
2	58	54.7	15	14 US-10-354-240-21	Sequence 21, Appl
3	51	48.1	15	14 US-10-354-240-23	Sequence 23, Appl
4	38	35.8	15	14 US-10-354-240-20	Sequence 20, Appl
5	34	32.1	19	16 US-10-387-955-62	Sequence 62, Appl
6	34	32.1	19	16 US-10-387-955-68	Sequence 68, Appl
7	34	32.1	20	14 US-10-288-066-48	Sequence 48, Appl
8	31.1	12	14	US-10-205-189-24	Sequence 24, Appl
9	31.1	12	14	US-10-205-189-29	Sequence 29, Appl
10	33	31.1	12	14 US-10-016-986-48	Sequence 48, Appl
11	33	31.1	12	15 US-10-637-935-24	Sequence 24, Appl
12	33	31.1	12	15 US-10-637-935-29	Sequence 29, Appl
13	33	31.1	15	15 US-10-415-462-25	Sequence 25, Appl

RESULT 1
US-10-354-240-22 ; Application US-10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US-10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PC1/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US-09/142,524
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE: MISC_FEATURE
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8
US-10-354-240-22

Query Match Score 62.3%; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0073; 2; Mismatches 1; Indels 0; Gaps 0;
Matches 12; Conservative 1; Gaps 0;

Qy 6 KGGAFTYTSSDDDP 20

Db 1 KGGDLTYVNTNSDDDP 15
 RESULT 2
 US-10-354-240-21
 ; Sequence 23, Application US/10354240
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshiro
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SEQ ID NO 21
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7
 US-10-354-240-21
 Query Match 1 SAMGKGKGFAYTVTS 15
 Best Local Similarity 54.7%; Score 56; DB 14; Length 15;
 Matches 11; Conservative 1; Indels 3; Gaps 0;
 Db 1 STMGKGKGFAYTVTN 15
 Qy 1 SAMGGKG 8
 Best Local Similarity 87.5%; Score 38; DB 14; Length 15;
 Matches 7; Conservative 0; Indels 0; Gaps 0;
 Db 6 STMGKG 13

RESULT 4
 US-10-354-240-20
 ; Sequence 20, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshiro
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 20
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 6
 US-10-354-240-20
 Query Match 1 SAMGGKG 8
 Best Local Similarity 87.5%; Score 38; DB 14; Length 15;
 Matches 7; Conservative 0; Indels 0; Gaps 0;
 Db 6 STMGKG 13

RESULT 5
 US-10-387-955-62
 ; Sequence 62, Application US/10387955
 ; Publication No. US2004018504A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GlaxoSmithKline Biologicals s.a. and BioInvent International AB
 ; TITLE OF INVENTION: Vaccine
 ; FILE REFERENCE: VB60138
 ; CURRENT APPLICATION NUMBER: US/10/387,955
 ; CURRENT FILING DATE: 2003-03-13
 ; NUMBER OF SEQ ID NOS: 78
 ; SEQ ID NO 62
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; LENGTH: 19
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; SEQ ID NO 23
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9
 US-10-354-240-23
 Query Match 1 SAMGGKGAFVTVTS 15
 Best Local Similarity 46.7%; Score 34; DB 16; Length 19;
 Matches 7; Conservative 2; Indels 6; Gaps 0;
 Db 1 SAISGGSGSTYYADS 15

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RESULT 6
US-10-387-955-68
; Sequence 68, Application US/10387955
; Publication No. US20040185044A1
; GENERAL INFORMATION:
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: VBG0138
; CURRENT APPLICATION NUMBER: US/10/387,955
; CURRENT FILING DATE: 2003-03-13
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 68
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-387-955-68

Query Match Score 34; DB 16; Length 19;
Best Local Similarity 46.7%; Pred. No. 4.8e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;
Qy 1 SAMGGKGGAFYTTVS 15
Db 1 SAISGSGGTTTADS 15

RESULT 7
US-10-280-066-48
; Sequence 48, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 48
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE: NAME/KEY: MISC FEATURE
; OTHER INFORMATION: DG1-2-20F-PP-B11
US-10-280-066-48

Query Match Score 34; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AMCGGGGAFY 11
Db 10 ALGGGGARY 19

RESULT 8
US-10-202-189-24
; Sequence 24, Application US/10202189
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.

Query Match Score 34; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 4 GGKGA 9
Db 7 GSKGGA 12

RESULT 9
US-10-202-189-29
; Sequence 29, Application US/10202189
; Publication No. US2003022225A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaller, Thomas A.
; TITLE OF INVENTION: Releasable No. US2003022225A1
; FILE REFERENCE: 24736-2057D
; CURRENT APPLICATION NUMBER: US/10/202,189
; PRIOR APPLICATION NUMBER: US 08/988, 024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033, 037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046, 719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-202-189-29

Query Match Score 33; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 4 GGKGA 9
Db 7 GSKGGA 12

RESULT 10
US-10-016-986-48

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; Sequence 48, Application US/10016986
; Publication No. US20030187247A1
; GENERAL INFORMATION:
; APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
; APPLICANT: Lerner, Richard A
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS
; FILE REFERENCE: 313_2CON1

; CURRENT APPLICATION NUMBER: US/10/016,986
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 09/149,898
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: US 08/899,575
; PRIOR FILING DATE: 1997-07-24
; PRIOR APPLICATION NUMBER: US 08/276,852
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: US 08/178,302
; PRIOR FILING DATE: 1994-01-06
; PRIOR APPLICATION NUMBER: PCT/US93/09328
; PRIOR FILING DATE: 1993-09-30
; SEQ ID NO: 48
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized
US-10-016-986-48

Query Match 31.1%; Score 33; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 GGKGGAA 9
Db 7 GCGGGA 12

RESULT 12
US-10-637-935-29
; Sequence 29, Application US/10637935
; Publication No. US20040033525A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20040033525A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057E
; CURRENT APPLICATION NUMBER: US/10/637,935
; CURRENT FILING DATE: 2003-08-07
; PRIOR APPLICATION NUMBER: US 10/202,189
; PRIOR FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 29

Query Match 31.1%; Score 33; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 GGKGGAA 9
Db 7 GCGGGA 12

RESULT 13
US-10-637-935-29
; Sequence 25, Application US/10419462
; Publication No. US20040033392A1
; GENERAL INFORMATION:
; APPLICANT: Kevin J. Williams
; APPLICANT: Williams, Kevin J.
; TITLE OF INVENTION: Thrombospondin Fragments and Uses Thereof In Clinical Assays for
; FILE REFERENCE: W1107-20005
; CURRENT APPLICATION NUMBER: US/10/419,462
; CURRENT FILING DATE: 2003-04-17
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thrombospondin Region
US-10-637-935-24

Query Match 31.1%; Score 33; DB 15; Length 15;
Best Local Similarity 50.0%; Pred. No. 5.2e+02;

Qy 4 GGKGGAA 9
Db 7 GCGGGA 12

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RESULT 14
US-10-477-238A-758
Sequence 758, Application US/10477238A
Publication No. US20040221326A1
GENERAL INFORMATION:
APPLICANT: Babij, Phillip
APPLICANT: Yaworsky, Paul
APPLICANT: Bex, Frederick J. III
TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
FILE REFERENCE: 032796-212
CURRENT APPLICATION NUMBER: US/10/477,238A
CURRENT FILING DATE: 2003-11-10
PRIOR APPLICATION NUMBER: US 60/290,071
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/291,311
PRIOR FILING DATE: 2001-05-17
PRIOR APPLICATION NUMBER: US 60/353,058
PRIOR FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: US 60/361,293
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 812
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 758
LENGTH: 18
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: peptide from zmax1 sequence (SEQ ID NO: 3)

Query Match 31.1%; Score 33; DB 17; Length 18;
Best Local Similarity 40.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
OTHER INFORMATION: peptide from zmax1 sequence (SEQ ID NO: 3)
US-10-680-287A-758

Query Match 31.1%; Score 33; DB 17; Length 18;
Best Local Similarity 40.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
OTHER INFORMATION: peptide from zmax1 sequence (SEQ ID NO: 3)

Query Match 31.1%; Score 33; DB 17; Length 18;
Best Local Similarity 40.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
OTHER INFORMATION: peptide from zmax1 sequence (SEQ ID NO: 3)

Search completed: January 26, 2005, 00:51:34
Job time : 57.6 sec

RESULT 15
US-10-680-287A-758
Sequence 758, Application US/10680287A
Publication No. US20040244069A1
GENERAL INFORMATION:
APPLICANT: Babij, Phillip
APPLICANT: Yaworsky, Paul
APPLICANT: Bex, Frederick J. III
TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation
FILE REFERENCE: 032796-179
CURRENT APPLICATION NUMBER: US/10/680,287A
CURRENT FILING DATE: 2003-10-08
PRIOR APPLICATION NUMBER: PCT/US02/14876
PRIOR FILING DATE: 2002-05-13
PRIOR APPLICATION NUMBER: US 60/290,071
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/291,311
PRIOR FILING DATE: 2001-05-17
PRIOR APPLICATION NUMBER: US 60/353,058
PRIOR FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: US 60/361,293
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 812
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 758

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Gencore version 5.1.6

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)

Title: US-09-202-464-6

Pefect score: 106

Sequence: 1 SAMGKGGAFFYTVTSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Maximum Match 100%

Listing first 45 summaries

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2: /cgn2_6/.ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/.ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/.ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/.ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/.ptodata/1/iaa/bckf1es1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	87	82.1	20	3	US-08-467-023-29	Sequence 29, App1
2	66	62.3	15	4	US-09-142-524D-22	Sequence 22, App1
3	58	54.7	15	4	US-09-142-524D-21	Sequence 21, App1
4	51	48.1	15	4	US-09-142-524D-23	Sequence 23, App1
5	51	48.1	20	3	US-08-467-023-30	Sequence 30, App1
6	38	35.8	15	4	US-09-142-524D-20	Sequence 20, App1
7	38	35.8	20	3	US-08-467-023-28	Sequence 28, App1
8	36	34.0	14	1	US-08-290-448A-52	Sequence 52, App1
9	36	34.0	14	1	US-08-290-448A-52	Sequence 52, App1
10	36	34.0	14	1	US-08-175-069A-52	Sequence 52, App1
11	36	34.0	14	3	US-08-461-939B-52	Sequence 52, App1
12	34.0	14	3	US-08-464-000-52	Sequence 52, App1	
13	34	32.1	15	2	US-08-455-625-19	Sequence 19, App1
14	34	32.1	15	3	US-08-455-685-19	Sequence 19, App1
15	34	32.1	15	3	US-08-060-988A-19	Sequence 19, App1
16	34	32.1	15	5	PCT-US94-05142-19	Sequence 19, App1
17	34	32.1	18	1	US-08-323-192D-70	Sequence 70, App1
18	34	32.1	20	1	US-08-257-528B-51	Sequence 51, App1
19	34	32.1	20	1	US-08-460-602A-51	Sequence 51, App1
20	34	32.1	20	1	US-08-463-966A-51	Sequence 51, App1
21	34	32.1	20	1	US-08-465-217A-51	Sequence 51, App1
22	34	32.1	20	2	US-08-464-329A-51	Sequence 51, App1
23	34	32.1	20	2	US-08-462-507A-51	Sequence 51, App1
24	34	32.1	20	2	US-08-467-881A-51	Sequence 51, App1
25	33	31.1	12	1	US-08-276-852-48	Sequence 48, App1
26	33	31.1	12	1	US-08-899-575-48	Sequence 48, App1
27	33	31.1	12	1	US-08-899-575-48	Sequence 48, App1

ALIGNMENTS

RESULT 1
US-08-467-023-29
; Sequence 29, Application US/0846707023
; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J. ;
; APPLICANT: Pollock, Joanne ;
; APPLICANT: Bond, Julian F. ;
; APPLICANT: Garman, Richard D. ;
; APPLICANT: Kuo, Mei Chang ;
; APPLICANT: Yeung, Siu-mei H. ;
; APPLICANT: Brauer, Andrew ;
; APPLICANT: Exley, Mark A. ;
; APPLICANT: Powers, Steven P. ;
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02454

; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-5700
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-29

Query Match 82.1%; Score 87; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 5.4e-07; Indels 0; Gaps 0;
 Matches 16; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 SAMGGKGGAFYTVSSDDDP 20
 Db 1 STMGKGKGGDLYTVNSDDDP 20

RESULT 2
 US-09-142-524D-22
 ; Sequence 22, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 22

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8

US-09-142-524D-22
 Query Match 62.3%; Score 66; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.00068; Indels 0; Gaps 0;
 Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 6 KGGAFYTVSSDDDP 20
 Db 1 KGKDLYTVNSDDDP 15

RESULT 3
 US-09-142-524D-21
 ; Sequence 21, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 21

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7

US-09-142-524D-21
 Query Match 54.7%; Score 58; DB 4; Length 15;
 Best Local Similarity 73.3%; Pred. No. 0.012; Indels 3; Mismatches 1; Conservative 1; Gaps 0;

Qy 1 SAMGGKGGAFYTVN 15
 Db 1 STMGKGKGGDLYTVTN 15

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7
 US-09-142-524D-21

Query Match 54.7%; Score 58; DB 4; Length 15;
 Best Local Similarity 73.3%; Pred. No. 0.012; Indels 3; Mismatches 1; Conservative 1; Gaps 0;

Qy 1 SAMGGKGGAFYTVN 15
 Db 1 STMGKGKGGDLYTVTN 15

RESULT 4

US-09-142-524D-23
 ; Sequence 23, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 23

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9
 US-09-142-524D-23
 Query Match 48.1%; Score 51; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.14; Indels 0; Mismatches 1; Conservative 1; Gaps 0;

Qy 11 YTYTSSDDDP 20
 Db 1 YTYTNSDDDP 10

RESULT 5

US-09-467-023-30

; Sequence 30, Application US/08467023

; Patent No. 6030386

; GENERAL INFORMATION:

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 21

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE: NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Immunologic Proteins And Peptides From Japanese Cedar Pollen
 US-09-467-023-30
 ; Sequence 30, Application US/08467023
 ; Patent No. 6030386
 ; GENERAL INFORMATION:
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 30:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-30

Query Match Similarity 48.1%; Score 51; DB 3; Length 20;
 Best Local Similarity 90.0%; Pred. No. 0.2; Indels 0; Gaps 0;
 Matches 9; Conservative 1; Mismatches 0;

Qy 11 YRTVNSDDDP 20
 Db 1 YRTVNSDDDP 10

RESULT 6
 US-09-142-524D-20
 Sequence 20, Application US/09142524D
 Patent No. 6713976
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: Patentin version 3.1
 SEQ ID NO: 20
 LENGTH: 15

TYPE: PRM
 ORGANISM: Cryptomeria japonica
 FEATURE: MISC. FEATURE
 NAME/KEY: (1)-(15)
 OTHER INFORMATION: Cry1 peptide, Figure 1, Row 6

US-09-142-524D-20
 Query Match Similarity 35.8%; Score 38; DB 4; Length 15;
 Best Local Similarity 87.5%; Pred. No. 14; Indels 0; Gaps 0;
 Matches 7; Conservative 0; Mismatches 1;

Qy 1 SANGKGG 8
 Db 6 STMGGKGG 13

RESULT 8
 US-09-467-023-28
 Sequence 28, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollack, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garnier, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yenug, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-28

Query Match Similarity 35.8%; Score 38; DB 3; Length 20;
 Best Local Similarity 87.5%; Pred. No. 20; Mismatches 0; Indels 1; Gaps 0;

Qy 1 SANGKGG 8
 Db 11 STMGGKGG 18

RESULT 8
 US-09-468A-52
 Sequence 52, Application US/08290448A
 Patent No. 5676954
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorng
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, Suite 510
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/290,448A
 FILING DATE: August 15, 1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: May 29, 1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: March 17, 1989
 ATTORNEY / AGENT INFORMATION:
 NAME: Amy E. Mandragouras
 REGISTRATION NUMBER: 36,207
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 INFORMATION FOR SEQ ID NO: 52:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-290-448A-52

Query Match Score 36%; Pred. No. 27%; Indels 0; Gaps 0;

RESULT 9
 US-08-290-448A-52
 Sequence 52, Application US/08/290,448A
 Patent No. 5698204
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 60 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/175,069A
 FILING DATE: December 29, 1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: May 29, 1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: March 17, 1989
 ATTORNEY / AGENT INFORMATION:
 NAME: Amy E. Mandragouras
 REGISTRATION NUMBER: 36,207
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 INFORMATION FOR SEQ ID NO: 52:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal

US-08-175-069A-52
 Query Match Score 36; DB 1; Length 14;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 11 YTVTSSDDD 19
 Db 1 YTVTSDDDD 9

RESULT 11
 US-08-461-939B-52 Application US/08461939B
 ; Sequence 52, Application US/08461939B
 ; Patent No. 6335119
 ; GENERAL INFORMATION
 ; APPLICANT: Rogers, Bruce
 ; APPLICANT: Klapper, David G.
 ; APPLICANT: Rafnar, Thorunn
 ; APPLICANT: Kuo, Mei-chang
 ; TITLE OF INVENTION: Methods For Treating Sensitivity To A Protein Allergen Using Peptides Which Inlude A T Cell Epitope
 ; NUMBER OF SEQUENCES: 93
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD, LLP
 ; STREET: 28 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109-1875
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent-In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/461,939B
 ; FILING DATE: 29 MAY-1990
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/464,000
 ; FILING DATE: 15-AUG-1994
 ; PRIORITY APPLICATION NUMBER: US/07/529,951
 ; FILING DATE: 29-MAY-1990
 ; APPLICATION NUMBER: US/07/325,365
 ; FILING DATE: 17-MAR-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Amy E. Mandragouras
 ; REGISTRATION NUMBER: 36,207
 ; REFERENCE/DOCKET NUMBER: IMI-018CN2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 52:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 14 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; PRAGMATIC TYPE:
 ; US-08-464-000-52

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/464,000
 FILING DATE: 05-JUN-1995
 APPLICATION NUMBER: US 08/290,448
 FILING DATE: 15-AUG-1994
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: 29 MAY-1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: 29 MAY-1990
 APPLICATION NUMBER: US/08/461,939B
 FILING DATE: 17-MAR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragouras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018CN2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-4214
 INFORMATION FOR SEQ ID NO: 52:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-461-939B-52

Query Match Score 36; DB 3; Length 14;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 11 YTVTSSDDD 19
 Db 1 YTVTSDDDD 9

RESULT 13
 US-08-464-000-52
 Query Match Score 34.0%; DB 3; Length 14;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD, LLP
 ; STREET: 60 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109-1875
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent-In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/290,448
 ; FILING DATE: 05-JUN-1995
 ; PRIORITY APPLICATION NUMBER: US/07/529,951
 ; FILING DATE: 29 MAY-1990
 ; APPLICATION NUMBER: US 07/325,365
 ; FILING DATE: 17-MAR-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Amy E. Mandragouras
 ; REGISTRATION NUMBER: 36,207
 ; REFERENCE/DOCKET NUMBER: IMI-018CN2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 52:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 14 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; PRAGMATIC TYPE:
 ; US-08-464-000-52

Query Match Score 34.0%; DB 3; Length 14;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Birch, Stewart, Kolasch & Birch
 ; STREET: 120 Newbury Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02116-2401
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent-In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/290,448
 ; FILING DATE: 05-JUN-1995
 ; PRIORITY APPLICATION NUMBER: US/07/529,951
 ; FILING DATE: 29 MAY-1990
 ; APPLICATION NUMBER: US 07/325,365
 ; FILING DATE: 17-MAR-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Amy E. Mandragouras
 ; REGISTRATION NUMBER: 36,207
 ; REFERENCE/DOCKET NUMBER: IMI-018CN2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 52:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 14 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; PRAGMATIC TYPE:
 ; US-08-461-939B-52

RESULT 12

STREET: P.O. Box 747
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22040-0747
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION NUMBER: US/08/455,625
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/060,988
 FILING DATE: 14-MAY-1993
 ATTORNEY / AGENT INFORMATION:
 NAME: Svensson, Leonard R.
 REGISTRATION NUMBER: 30330
 REFERENCE/DOCKET NUMBER: 1173-434P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-205-8000
 TELEFAX: 703-205-8050
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 NAME/KEY: Peptide
 LOCATION: 1..15
 OTHER INFORMATION: /label= peptide
 OTHER INFORMATION: /note= "p18-11, see Table V"
 US-08-455-625-19

Query Match 32.1%; Score 34; DB 2; Length 15;
 Best Local Similarity 66.7%; Pred. No. 59;
 Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 GKGGAFYTV 13
 Db 5 GPGRAYTI 13

RESULT 14
 US-08-455-685-19
 Sequence 19, Application US/08455685
 Patent No. 6214347

GENERAL INFORMATION:
 APPLICANT: Berzofsky, Jay A.
 APPLICANT: Ahlers, Jeffrey D.
 APPLICANT: Pendleton, C. David
 APPLICANT: Nara, Peter
 APPLICANT: Shirai, Mutsumori

TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES THAT ELICIT
 TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
 TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
 NUMBER OF SEQUENCES: 40
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: US
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows 95

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/060,988A
 FILING DATE: 14-MAY-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/847,311
 FILING DATE: 06-MAR-1992
 APPLICATION NUMBER: 07/751,998
 FILING DATE: 29-AUG-1991
 APPLICATION NUMBER: 07/148,692
 FILING DATE: 26-JAN-1988
 ATTORNEY / AGENT INFORMATION:
 NAME: Beattie, Ingrid A.
 REGISTRATION NUMBER: F-42,306
 REFERENCE/DOCKET NUMBER: 08830/022003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5010
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

US-08-455-685-19

RESULT 15
 US-08-060-988A-19
 Sequence 19, Application US/08060988A
 Patent No. 6294322

GENERAL INFORMATION:
 APPLICANT: Berzofsky, Jay A.
 APPLICANT: Ahlers, Jeffrey D.
 APPLICANT: Pendleton, C. David
 APPLICANT: Nara, Peter
 APPLICANT: Shirai, Mutsumori

TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES
 TITLE OF INVENTION: THAT ELICIT
 TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
 TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
 NUMBER OF SEQUENCES: 48
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: US
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/060,988A
 FILING DATE: 14-MAY-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/847,311
 FILING DATE: 06-MAR-1992
 APPLICATION NUMBER: 07/751,998
 FILING DATE: 29-AUG-1991
 APPLICATION NUMBER: 07/148,692
 FILING DATE: 26-JAN-1988
 ATTORNEY / AGENT INFORMATION:
 NAME: Beattie, Ingrid A.
 REGISTRATION NUMBER: F-42,306
 REFERENCE/DOCKET NUMBER: 08830/022003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5010
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 15 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

US-08-060-988A-19

RESULT 15
 US-08-060-988A-19
 Sequence 19, Application US/08060988A
 Patent No. 6294322

GENERAL INFORMATION:
 APPLICANT: Berzofsky, Jay A.
 APPLICANT: Ahlers, Jeffrey D.
 APPLICANT: Pendleton, C. David
 APPLICANT: Nara, Peter
 APPLICANT: Shirai, Mutsumori

TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES
 TITLE OF INVENTION: THAT ELICIT
 TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
 TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
 NUMBER OF SEQUENCES: 48
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: US
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows Version 2.0

FILING DATE: 26-JAN-1988
ATTORNEY/AGENT INFORMATION:
NAME: Beattie, Ingrid A.
REGISTRATION NUMBER: P-12,306
REFERENCE/DOCKET NUMBER: 08830/022001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-060-988A-19

Query Match	Score	DB	Length	15;
Best Local Similarity	32.1%	3		
Matches	66.7%	Pred. No.	59;	
6; Conservative	1;	Mismatches	2;	
		Indels	0;	
		Gaps	0;	

Qy 5 GRGCAFTIV 13
 | | ||| :
Db 5 GPRAFTI 13

Search completed: January 26, 2005, 00:05:11
Job time : 17.9 secs

Page Blank (up to)

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Om protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

Scoring table: BLOSUM62

Title: US-09-202-464-7

Perfect score: 109

Sequence: 1 YTVTSSDDDPVNAPGTLRY 20

Minimum DB seq length: 0

Maximum DB seq length: 20

Total number of hits satisfying chosen parameters: 296681

Post-processing: Minimum Match 100%

Post-processing: Maximum Match 100%

Listing First, 45 summaries

Database : Published Applications AA: *

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4: /cgn2_6/_ptodata/1/pubpa/US07_NEW_PUB.pep:*

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6: /cgn2_6/_ptodata/1/pubpa/US07_PUBCOMB.pep:*

7: /cgn2_6/_ptodata/1/pubpa/US08_NEW_PUB.pep:*

8: /cgn2_6/_ptodata/1/pubpa/US08_PUBCOMB.pep:*

9: /cgn2_6/_ptodata/1/pubpa/US09_PUBCOMB.pep:*

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15: /cgn2_6/_ptodata/1/pubpa/US10C_PUBCOMB.pep:*

16: /cgn2_6/_ptodata/1/pubpa/US10D_PUBCOMB.pep:*

17: /cgn2_6/_ptodata/1/pubpa/US11_NEW_PUB.pep:*

18: /cgn2_6/_ptodata/1/pubpa/US11_NEW_PUB.pep:*

19: /cgn2_6/_ptodata/1/pubpa/US60_NEW_PUB.pep:*

20: /cgn2_6/_ptodata/1/pubpa/US60_PUBCOMB.pep:*

ALIGNMENTS

RESULT 1
US-10-354-240-24

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

CURRENT APPLICATION NUMBER: US10/354,240

CURRENT FILING DATE: 2003-01-29

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 24

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE: MISC_FEATURE

NAME/KEY: MISC_FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10

US-10-354-240-24

Query Match Score 77.1%; Best Local Similarity 100.0%; Pred. No. 2.7e-05; Length 15;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SDDDPVNAPGTLRY 20

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	84	77.1	15	14 US-10-354-240-24	Sequence 24, Appl
2	79	72.5	15	14 US-10-354-240-23	Sequence 23, Appl
3	55	50.5	15	14 US-10-354-240-25	Sequence 25, Appl
4	51	46.8	15	14 US-10-354-240-22	Sequence 22, Appl
5	38	34.9	20	14 US-10-193-002-275	Sequence 275, Appl
6	38	34.9	20	14 US-10-084-843-280	Sequence 280, Appl
7	34	31.2	17	10 US-09-906-069-15	Sequence 15, Appl
8	34	31.2	17	10 US-09-906-069-16	Sequence 16, Appl
9	34	31.2	17	15 US-10-193-037-242	Sequence 242, Appl
10	34	31.2	20	14 US-10-192-832-50	Sequence 50, Appl
11	33	30.3	16	9 US-09-096-749A-3	Sequence 3, Appl
12	33	30.3	16	9 US-09-984-183-17	Sequence 17, Appl
13	33	30.3	16	9 US-09-984-333-7	Sequence 7, Appl

Db 1 SDDDPVNPA~~G~~TLY 15 Best Local Similarity 100.0%; Pred. No. 0.4; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2 US-10-354-240-23 ; Sequence 23, Application US/10354240 ; Publication No. US20030185847A1 ; GENERAL INFORMATION: ; APPLICANT: Sone, Toshio ; APPLICANT: Kume, Akinori ; APPLICANT: Dairiki, Kazuo ; APPLICANT: Iwama, Akiko ; APPLICANT: Kino, Kohsuke ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease ; FILE REFERENCE: SPO-103D1 ; CURRENT APPLICATION NUMBER: US/10/354,240 ; CURRENT FILING DATE: 2003-01-29 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740 ; PRIOR FILING DATE: 1997-03-10 ; PRIOR APPLICATION NUMBER: US 09/142,524 ; PRIOR FILING DATE: 1998-09-09 ; SOFTWARE: PatentIn version 3.1 ; SEQ ID NO 23 ; LENGTH: 15 ; TYPE: PRT ; ORGANISM: Cryptomeria japonica ; FEATURE: NAME/KEY: MISC_FEATURE ; LOCATION: (1)-(15) ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9 US-10-354-240-23

Query Match 1 YTVTNSDDDPVN~~P~~A¹⁵ Score 79; DB 14; Length 15; Best Local Similarity 93.3%; Pred. No. 0.00014; Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0; US-10-354-240-23

Db 1 YTVTNSDDDPVN~~P~~A¹⁵ Score 55; DB 14; Length 15; Best Local Similarity 100.0%; Pred. No. 0.4; Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3 US-10-354-240-25 ; Sequence 25, Application US/10354240 ; Publication No. US20030185847A1 ; GENERAL INFORMATION: ; APPLICANT: Sone, Toshio ; APPLICANT: Kume, Akinori ; APPLICANT: Dairiki, Kazuo ; APPLICANT: Iwama, Akiko ; APPLICANT: Kino, Kohsuke ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease ; FILE REFERENCE: SPO-103D1 ; CURRENT APPLICATION NUMBER: US/10/354,240 ; CURRENT FILING DATE: 2003-01-29 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740 ; PRIOR FILING DATE: 1997-03-10 ; PRIOR FILING DATE: 1998-09-09 ; SOFTWARE: PatentIn version 3.1 ; SEQ ID NO 25 ; LENGTH: 15 ; TYPE: PRT ; ORGANISM: Cryptomeria japonica ; FEATURE: NAME/KEY: MISC_FEATURE ; LOCATION: (1)-(15) ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11 US-10-354-240-25

Query Match 50.5%; Score 55; DB 14; Length 15;

Qy 11 VNPA~~G~~TLY 20 Best Local Similarity 100.0%; Pred. No. 0.4; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0; US-10-354-240-22 ; Sequence 22, Application US/10354240 ; Publication No. US20030185847A1 ; GENERAL INFORMATION: ; APPLICANT: Sone, Toshio ; APPLICANT: Kume, Akinori ; APPLICANT: Dairiki, Kazuo ; APPLICANT: Iwama, Akiko ; APPLICANT: Kino, Kohsuke ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease ; FILE REFERENCE: SPO-103D1 ; CURRENT APPLICATION NUMBER: US/10/354,240 ; CURRENT FILING DATE: 2003-01-29 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740 ; PRIOR FILING DATE: 1997-03-10 ; PRIOR APPLICATION NUMBER: US 09/142,524 ; PRIOR FILING DATE: 1998-09-09 ; NUMBER OF SEQ ID NOS: 174 ; SOFTWARE: PatentIn version 3.1 ; SEQ ID NO 22 ; LENGTH: 15 ; TYPE: PRT ; ORGANISM: Cryptomeria japonica ; FEATURE: NAME/KEY: MISC_FEATURE ; LOCATION: (1)-(15) ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8 US-10-354-240-22

Query Match 46.8%; Score 51; DB 14; Length 15; Best Local Similarity 90.0%; Pred. No. 1.5; Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0; US-10-354-240-22

Qy 1 YTVTSSDDDP 10 Best Local Similarity 100.0%; Pred. No. 0.4; Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0; US-10-354-240-22

Db 6 YTVTNSDDDP 15 Best Local Similarity 100.0%; Pred. No. 0.4; Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0; US-10-354-240-22

RESULT 5 US-10-193-002-275 ; Sequence 275, Application US/10193002 ; Publication No. US2003013502A1 ; GENERAL INFORMATION: ; APPLICANT: Reed, Steven G. ; Skeiry, Yasir A.W. ; Vewdick, Thomas S. ; Dillon, Davin C. ; Campos-Nero, Antonia ; Houghton, Raymond ; Twardzik, Daniel J. ; Lodes, Michel J. ; Hendrickson, Ronald C. ; NUMBER OF SEQUENCES: 350 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: SEED and BERRY LLP ; STREET: 6300 Columbia Center, 701 Fifth Avenue ; CITY: Seattle ; STATE: Washington ; ZIP: 98104-7092 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk

Query Match 50.5%; Score 55; DB 14; Length 15;

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/193, 002
 FILING DATE: 10-Jul-2002
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/09/072, 596
 FILING DATE: 05-MAY-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.417C9
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEX/FAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 275:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 275:
 US-10-193-002-275

Query Match Score 38; DB 14; Length 20;
 Best Local Similarity 75.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PVNPAPGT 17
 Db 6 PMHPAPGT 13

RESULT 6
 US-10-084-843-280
 ; Sequence 280, Application US/10084843
 ; Publication No. US20030143243A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Reed, Steven G.
 ; Skeiky, Yasir A.W.
 ; Dillon, Davin C.
 ; Campos-Neto, Antonio
 ; Houghton, Raymond
 ; Vedwick, Thomas S.
 ; Twardzik, Daniel R.
 ; Lodes, Michael J.
 ; Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
 NUMBER OF SEQUENCES: 355
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED and BERRY LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7092

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/084, 843
 FILING DATE: 25-Feb-2002
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/09/072, 967
 FILING DATE: 05-MAY-1998
 ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.411C9
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEX/FAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 280:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 280:
 US-10-084-843-280

Query Match Score 38; DB 14; Length 20;
 Best Local Similarity 75.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PVNPAPGT 17
 Db 6 PMHPAPGT 13

RESULT 7
 US-09-996-069-15
 ; Sequence 15, Application US/09996069
 ; Publication No. US2003036199A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamdad, R. Shoshana
 ; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBITION AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
 ; FILE REFERENCE: M01015/70071
 ; CURRENT APPLICATION NUMBER: US/09/996, 069
 ; CURRENT FILING DATE: 2001-11-27
 ; NUMBER OF SEQ ID NOS: 35
 ; SEQ ID NO 15
 ; SOFTWARE: PatentIn version 3.1

Query Match Score 34%; DB 14; Length 20;
 Best Local Similarity 75.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 10 PVNPAPGT 17
 Db 6 PMHPAPGT 13

RESULT 8
 US-09-996-069-16
 ; Sequence 16, Application US/09996069
 ; Publication No. US2003036199A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamdad, R. Shoshana
 ; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBITION AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
 ; FILE REFERENCE: M01015/70071
 ; CURRENT APPLICATION NUMBER: US/09/996, 069
 ; CURRENT FILING DATE: 2001-11-27
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 16

Query Match Score 34%; DB 10; Length 17;
 Best Local Similarity 35.3%; Pred. No. 4.8e+02;
 Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

Qy 3 VTRSSDDDPVNPAFGLR 19
 Db 1 VMLGETNPADSKPFGTIR 17

Query Match Similarity 31.2%; Score 34; DB 10; Length 17;
Best Local Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;
SEQ ID NO: 50 LENGTH: 20 TYPE: PRT ORGANISM: Rattus No. US20040053309Alveicus

RESULT 9
US-10-601-837-242
Sequence 242, Application US/10601837
/ GENERAL INFORMATION:
/ APPLICANT: Holt, Gordon D
/ APPLICANT: Kelly, Michael D
/ APPLICANT: Kennedy, Sandra J
/ APPLICANT: Moyses, Christopher
/ TITLE OF INVENTION: Proteins, Genes and Their Use for Diagnosis and Treatment of Kidn
/ TITLE OF INVENTION: Response
/ FILE REFERENCE: 2543-1-030
/ CURRENT APPLICATION NUMBER: US/10/601,837
/ CURRENT FILING DATE: 2003-06-23
/ PRIOR APPLICATION NUMBER: PCT/GB01/05777
/ PRIOR FILING DATE: 2001-12-24
/ PRIOR APPLICATION NUMBER: US 6/260392
/ PRIOR FILING DATE: 2000-12-29
/ NUMBER OF SEQ ID NOS: 272
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 242
/ LENGTH: 17
/ TYPE: PRT
/ ORGANISM: Ratus No. US20040053309Alveicus

US-10-601-837-242

Query Match Similarity 35.3%; Score 34; DB 15; Length 17;
Best Local Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;
SEQ ID NO: 50 LENGTH: 20 TYPE: PRT ORGANISM: Rattus No. US20040053309Alveicus

RESULT 10
US-10-192-832-50
/ Sequence 50, Application US/10192832
/ Publication No. US20030176335A1
/ GENERAL INFORMATION:
/ APPLICANT: VAUTHEY, SYLVAIN
/ TITLE OF INVENTION: SURFACTANT PEPTIDE NANOSTRUCTURES, AND USES THEREOF
/ FILE REFERENCE: WO-043-01
/ CURRENT APPLICATION NUMBER: US/10/192,832
/ CURRENT FILING DATE: 2002-07-10
/ PRIOR APPLICATION NUMBER: 60/304,256
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO: 50 LENGTH: 20 TYPE: PRT
/ FEATURE: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
/ OTHER INFORMATION: Peptide

US-10-192-832-50

Query Match Similarity 66.7%; Score 34; DB 14; Length 20;
Best Local Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 11
US-09-096-749A-3
/ Sequence 3, Application US/09096749A
/ Patent No. US2001951Al
/ GENERAL INFORMATION:
/ APPLICANT: Koieda, Shohei
/ TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
/ NUMBER OF SEQUENCES: 118
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Schwemman, Lundberg, Woessner & Kluth P.A.
/ STREET: 121 South Eighth Street, Ste. 1600
/ CITY: Minneapolis
/ STATE: MN
/ COUNTRY: USA
/ ZIP: 55402
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FASTSEQ Version 2.0b
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/096,749A
/ FILING DATE: June 12, 1998
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ann S. Viksna
/ REGISTRATION NUMBER: 37,748
/ REFERENCE DOCKET NUMBER: 109-034US1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (612) 373-6300
/ TELEFAX: (612) 339-3061
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Peptide
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ FRAGMENT TYPE: internal
/ ORIGINAL SOURCE:
/ SEQ ID NO: 09-096-749A-3

Query Match Similarity 40.0%; Score 33; DB 9; Length 16;
Best Local Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

RESULT 12
US-09-984-183-17
/ Sequence 17, Application US/09984183
/ Patent No. US20014298A1
/ GENERAL INFORMATION:
/ APPLICANT: Agrawal, Babita
/ APPLICANT: Longenbcker, Michael B.
/ TITLE OF INVENTION: MUC-1 ANTAGONISTS AND METHODS OF TREATING IMMUNE
/ TITLE OF INVENTION: DISORDERS
/ FILE REFERENCE: 042881/0130
/ CURRENT APPLICATION NUMBER: US/09/984,183
/ CURRENT FILING DATE: 2001-10-29
/ PRIOR APPLICATION NUMBER: 09/457,354

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; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/111,973
; PRIOR FILING DATE: 1998-12-11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-188-17

Query Match      30.3%;  Score 33;  DB 9;  Length 16;
Best Local Similarity 53.3%;  Pred. No. 6.3e+02;
Matches 2;  Mismatches 3;  Indels 2;  Gaps 1;
Qy   3 VTSSDDDPVNPAQT 17
    |||:|||||||:
Db   2 VTSAPD--TRPAGS 14

RESULT 13
US-09-984-333-7
Sequence 7, Application US/09984333
Patent No. US20021059969A1
GENERAL INFORMATION:
APPLICANT: AGRAWAL, Babita
APPLICANT: LONGENECKER, Bryan Michael
APPLICANT: REDDISH, Mark Austin
TITLE OF INVENTION: SMALL PEPTIDE-BASED THERAPEUTICS FOR REVERSING
TITLE OF INVENTION: CANCER-ASSOCIATED MUC-1 MUCIN-INDUCED IMMUNOSUPPRESSION
FILE REFERENCE: 042881/0116
CURRENT APPLICATION NUMBER: US/09/984,333
CURRENT FILING DATE: 2001-10-29
PRIOR FILING DATE: US 09/182,887
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/064,146
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/065,209
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7
LENGTH: 16
TYPE: PRT
ORGANISM: Homo sapiens
US-09-984-333-7

Query Match      30.3%;  Score 33;  DB 9;  Length 16;
Best Local Similarity 53.3%;  Pred. No. 6.3e+02;
Matches 2;  Mismatches 3;  Indels 2;  Gaps 1;
Qy   3 VTSSDDDPVNPAQT 17
    |||:|||||||:
Db   2 VTSAPD--TRPAGS 14

RESULT 14
US-09-903-412-3
Sequence 3, Application US/09903412
Publication No. US20030027319A1
GENERAL INFORMATION:
APPLICANT: Koide, Shohei
TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
FILE REFERENCE: 109_05051
CURRENT APPLICATION NUMBER: US/09/903,412
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: US 60/217,474
PRIOR FILING DATE: 2000-07-11
NUMBER OF SEQ ID NOS: 121
SEQ ID NO 3
LENGTH: 16
TYPE: PRT

Search completed: January 26, 2005, 00:51:35
Job time : 56.6 secs

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OM protein - protein search, using SW model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds

78,483 Million cell updates/sec (without alignments)

Title: US-09-202-464-7

Perfect score: 109

Sequence: 1 YTVTSDDDPVNPAQTLRY 20

Scoring table: BLOSUM62

Gapext: Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: .. 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0% Maximum Match 100%

Listing First 45 summaries

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Pred. No.	is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.				
SUMMARIES					
	8				
Result No.	Query ID	Score	Match Length	DB ID	Description
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2	84	77.1	15	4	US-09-142-524D-24
3	79	72.5	15	4	US-09-142-524D-23
4	55	50.5	15	4	US-09-142-524D-25
5	55	50.5	20	3	US-08-467-023-31
6	51	46.8	15	4	US-09-142-524D-22
7	51	46.8	20	3	US-08-467-023-29
8	39	35.8	14	1	US-08-290-448A-52
9	39	35.8	14	1	US-08-290-448A-52
10	39	35.8	14	1	US-08-175-069A-52
11	39	35.8	14	3	US-08-461-939B-52
12	39	35.8	14	3	US-08-464-000-52
13	38	34.9	20	4	US-09-072-596-275
14	38	34.9	20	4	US-08-122-546-18
15	35	32.1	20	2	US-08-934-915-17
16	35	32.1	20	2	US-08-915-915-17
17	34	31.2	20	4	US-08-336-047-13
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19	33	30.3	15	1	US-08-122-546-18
20	33	30.3	15	2	US-08-764-938-18
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22	33	30.3	15	3	US-09-131-053A-18
23	33	30.3	16	3	US-08-339-944-7
24	33	30.3	16	3	US-08-737-896-11
25	33	30.3	16	4	US-09-638-202A-3
26	33	30.3	16	4	US-09-497-232-15
27	33	30.3	16	4	US-09-651-265-12

RESULT 1
US-08-467-023-30
; Sequence 30, Application US/08467023
; Patent No. 6050386

GENERAL INFORMATION:

APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yenig, Shu-Mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
ADDRESSEE: Immologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal

;

US-08-467-023-30
 Query Match 97.2%; Score 106; DB 3; Length 20;
 Best Local Similarity 95.0%; Pred. No. 3.7e-09;
 Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YTVTSSDDPVNPAPGTLRY 20
 Db 1 YTNTNSDDPVNPAPGTLRY 20

RESULT 2

US-09-142-524D-24

; Sequence 24, Application US/09142524D

; Patent No. 6719976

GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142-524D

CURRENT FILING DATE: 1998-09-09

PRIORITY APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 24

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE: MISC FEATURE

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10

US-09-142-524D-24

Query Match 77.1%; Score 84; DB 4; Length 15;

Best Local Similarity 100.0%; Pred. No. 4.3e-06;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SDDDPVNPAPGTLRY 20

Db 1 SDDDPVNPAPGTLRY 15

RESULT 3

US-09-142-524D-23

; Sequence 23, Application US/09142524D

; Patent No. 6719976

GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142-524D

CURRENT FILING DATE: 1998-09-09

PRIORITY APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 23

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE: MISC FEATURE

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9
 US-09-142-524D-23

Query Match 72.5%; Score 79; DB 4; Length 15;
 Best Local Similarity 93.3%; Pred. No. 2.3e-05;
 Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YVTTSDDDPVNPNPAP 15
 Db 1 YTVTNSDDDPVNPNPAP 15

RESULT 4

US-09-142-524D-25

; Sequence 25, Application US/09142524D

; Patent No. 6719976

GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142-524D

CURRENT FILING DATE: 1998-09-09

PRIORITY APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 25

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE: MISC FEATURE

NAME/KEY: MISC FEATURE

LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11

US-09-142-524D-25

Query Match 50.5%; Score 55; DB 4; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.075;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 VNPAPGTLRY 20

Db 1 VNPAAPTGLRY 10

RESULT 5

US-08-467-023-31

; Sequence 31, Application US/08467023

; Patent No. 6090386

GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian P.;

; APPLICANT: Garmen, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Eley, Mark A.;

; APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

STREET: 610 Lincoln St

CITY: Waltham

STATE: MA

COUNTRY: USA

ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 ADDRESS: ImmunoLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 PRIORITY INFORMATION:
 PRIORITY NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-31

Query Match 50.5%; Score 55; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.1;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 VNPAPGFLRY 20
 Db 1 VNPAPGFLRY 10

RESULT 6
 US-09-142-524D-22
 Sequence 22, Application US/09142524D
 Parent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SEQ ID NO 22
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 LOCATION: (1)_(15)
 OTHER INFORMATION:
 US-09-142-524D-22

Query Match 46.8%; Score 51; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 0.29;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDP 10
 Db 6 YTVTNSDDDP 15

RESULT 7
 US-08-467-023-29
 Sequence 29, Application US/08467023
 Patent No. 6003386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeng, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-29

Query Match 46.8%; Score 51; DB 3; Length 20;
 Best Local Similarity 90.0%; Pred. No. 0.4;
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDP 10
 Db 11 YTVTNSDDDP 20

RESULT 8
 US-08-467-023-29
 Sequence 29, Application US/08467023
 Patent No. 6003386
 GENERAL INFORMATION:
 APPLICANT: Rogers, Bruce
 APPLICANT: Klapper, David G.
 APPLICANT: Rafnar, Thorunn
 APPLICANT: Kuo, Mei-chang
 TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street, suite 510
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/290,448A
 FILING DATE: August 15, 1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/529,951
 FILING DATE: May 29, 1990
 APPLICATION NUMBER: US 07/325,365
 FILING DATE: March 17, 1989
 FILING DATE: August 15, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018CN
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 52:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: internal
 US-08-290-448A-52

Query Match 35.8%; Score 39; DB 1;
 Best Local Similarity 72.7%; Pred. No. 15;
 Matches 8; Conservative 0; Mismatches 3; Indels 0;
 Gaps 0;

RESULT 9
 US-08-290-448A-52
 ; Sequence 52, Application US/08290448A
 ; Patent No. 5638204
 ; GENERAL INFORMATION:
 ; APPLICANT: Rogers, Bruce
 ; APPLICANT: Klapper, David G.
 ; APPLICANT: Rafnar, Thorunn
 ; APPLICANT: Kuo, Mei-chang
 ; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
 ; NUMBER OF SEQUENCES: 93
 ; CORRESPONDENCE ADDRESS:
 ; CURRENT APPLICATION DATA:
 ; ADDRESS: LAHIVE & COCKFIELD, LLP
 ; STREET: 60 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109-1875
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/175,059A
 FILING DATE: December 29, 1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/529,951
 FILING DATE: May 29, 1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Amy E. Mandragoras
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: IMI-018DV
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 52:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: internal

US-08-175-069A-52

Query Match 35.8%; Score 39; DB 1; Length 14;
 Best Local Similarity 72.7%; Pred. No. 15;
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDPV 11
 Db 1 YTVTSDKDDDV 11

RESULT 11

US-08-461-939B-52

; Sequence 52, Application US/08461939B

; Patent No. 6335019

GENERAL INFORMATION:

; APPLICANT: Rogers, Bruce

; APPLICANT: Klapper, David G.

; APPLICANT: Rafnar, Thorunn

; APPLICANT: Kuo, Mei-chang

; TITLE OF INVENTION: Methods For Treating Sensitivity To A

; NUMBER OF SEQUENCES: 93

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD, LLP

; STREET: 28 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1875

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/464,000

; FILING DATE: 05-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/290,448

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; REFERENCE/DOCKET NUMBER: IMI-018CN2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)227-5941

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-464-000-52

; FILING DATE: 05-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: IMI-018CN2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; FAX: (617)742-1214

; INFORMATION FOR SEQ ID NO: 52:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; PRIORITY:

; APPLICATION NUMBER: US-08-461-939B-52

; FILING DATE: 15-AUG-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Amy E. Mandragoras

; REGISTRATION NUMBER: 36,207

; TELECOMMUNICATION INFORMATION:

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED and BERRY LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7092

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/072,596
 FILING DATE: 05-MAY-1998

CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REFERENCE/DOCKET NUMBER: 31,392
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEXFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 280:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-09-072-967-280

RESULT 15
 US-08-334-915-10
 Query Match Score 38; DB 4; Length 20;
 Best Local Similarity 75.0%; Pred. No. 31;
 Matches 6; Conservative 2; Mismatches 0;
 Indels 0; Gaps 0;

Qy 10 PYNPAPGT 17
 Db 6 PMEPAPGT 13

RESULT 15
 US-08-334-915-10
 Sequence 10 Application US/08934915
 Patent No. 5932412
 GENERAL INFORMATION:
 APPLICANT: DILLNER, JOAKIM
 APPLICANT: DILLNER, LENA
 APPLICANT: CHENG, HWEI-MING
 TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN
 PAPILLOMAVIRUS 1, 5, 6, 8,
 11, 16, 18, 31, 33 AND 56,
 USEFUL IN IMMUNOASSAY FOR
 DIAGNOSTIC PURPOSES
 NUMBER OF SEQUENCES: 193
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MASON & ASSOCIATES, P.A.
 STREET: 17157 U.S. HWY. 19 NORTH, SUITE 500
 CITY: CLEARWATER
 STATE: FLORIDA
 COUNTRY: U.S.A.

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: Windows 3.0
 SOFTWARE: Microsoft Word 6.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/934,915
 FILING DATE: 22-SEP-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION INFORMATION:
 APPLICATION NUMBER: 07/949,836
 FILING DATE:
 TELEPHONE: 813-538-3800
 TELEX: 813-538-3820

RESULT 14
 US-09-072-967-280
 Sequence 280 Application US/09072967
 Patent No. 659287

GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Skelley, Yasir A.W.
 APPLICANT: Dillon, Davin C.
 APPLICANT: Campos-Neto, Antonio
 APPLICANT: Houghton, Raymond
 APPLICANT: Vednick, Thomas S.
 APPLICANT: Twardzik, Daniel R.
 APPLICANT: Lodes, Michael J.
 APPLICANT: Hendrickson, Ronald C.
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
 TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
 NUMBER OF SEQUENCES: 355
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED and BERRY LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-7092

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/072,967
 FILING DATE: 05-MAY-1998

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Query Match      32.1%; Score 35; DB 2; Length 20;
Best Local Similarity 40.0%; Prod. No. 86;
Matches 6; Conservative 3; Mismatches 6; Indels 0;
Gaps 0;

Qy          1 YTYTSSDDPVNPAP 15
Db          5 FVYSSSDGPTSTP 19
```

Search completed: January 26, 2005, 00:05:12
Job time : 17.9 secs

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OM protein - protein search, using sw mode!

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)

Total number of hits satisfying chosen parameters: 129.960 Million cell updates/sec

Title: US-09-202-464-8

Perfect score: 108

Sequence: 1 VNPAPCTLRGATRERSLWI 20

Scoring table: BLOSUM62

Gappen 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:^{*}

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3: /cn2_6/podata/1/pubbaa/US06_NEW_PUB.pep:*

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5: /cn2_6/podata/1/pubbaa/US07_NEW_PUB.pep:*

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11: /cn2_6/podata/1/pubbaa/US09C_PUBCOMB.pep:*

12: /cn2_6/podata/1/pubbaa/US10_NEW_PUB.pep:*

13: /cn2_6/podata/1/pubbaa/US10A_PUBCOMB.pep:*

14: /cn2_6/podata/1/pubbaa/US10B_PUBCOMB.pep:*

15: /cn2_6/podata/1/pubbaa/US10C_PUBCOMB.pep:*

16: /cn2_6/podata/1/pubbaa/US10D_PUBCOMB.pep:*

17: /cn2_6/podata/1/pubbaa/US10_NEW_PUB.pep:*

18: /cn2_6/podata/1/pubbaa/US11_NEW_PUB.pep:*

19: /cn2_6/podata/1/pubbaa/US60_NEW_PUB.pep:*

20: /cn2_6/podata/1/pubbaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	77	71.3	15	14 US-10-354-240-25	Sequence 25, App1
2	72	66.7	15	14 US-10-354-240-26	Sequence 26, App1
3	55	50.9	15	14 US-10-354-240-24	Sequence 24, App1
4	45	41.7	15	14 US-10-354-240-27	Sequence 27, App1
5	38	35.2	20	14 US-10-280-066-259	Sequence 259, App1
6	35	32.4	19	10 US-09-977-797A-116	Sequence 116, App1
7	34	31.5	20	16 US-10-679-246-15	Sequence 15, App1
8	33	30.6	17	14 US-10-029-333100	Sequence 33100, App1
9	32	29.6	14	14 US-10-193-820-43	Sequence 243, App1
10	32	29.6	15	14 US-10-205-699-188	Sequence 188, App1
11	32	29.6	18	8 US-08-995-140-14	Sequence 14, App1
12	32	29.6	20	8 US-08-677-599B-2	Sequence 2, App1
13	32	29.6	20	10 US-09-804-980-255	Sequence 255, App1

ALIGNMENTS

RESULT 1
US-10-354-240-25

; Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptidase-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1..(15))
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11
US-10-354-240-25

Query Match Score 77; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 5.9e-05;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VNPA[PDT]RYGATRE 15
|||||:|||||:|||||:

Db 1 VNPAGPTGTRYGATRD 15

RESULT 2
 US-10-354-240-26
 ; Sequence 26, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; PRIORITY FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 26
 ; LENGTH: 15
 ; TYPE: PRT
 ; OTHER INFORMATION: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
 US-10-354-240-26

Query Match 66.7%; Score 72; DB 14; Length 15;
 Best Local Similarity 86.7%; Pred. No. 0.00036;
 Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 VNPAGPTGTRYGATRD 15

RESULT 3
 US-10-354-240-24
 ; Sequence 24, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; PRIORITY FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; LENGTH: 15
 ; TYPE: PRT
 ; OTHER INFORMATION: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
 US-10-354-240-24

Query Match 41.7%; Score 45; DB 14; Length 15;
 Best Local Similarity 80.0%; Pred. No. 5.9%;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 VNPAGPTGTRYGATRD 15

RESULT 4
 US-10-354-240-27
 ; Sequence 27, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: PCT/JP97/00740
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; PRIORITY FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 27
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
 US-10-354-240-27

Query Match 41.7%; Score 45; DB 14; Length 15;
 Best Local Similarity 80.0%; Pred. No. 5.9%;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 VNPAGPTGTRYGATRD 15

RESULT 5
 US-10-280-066-259
 ; Sequence 259, Application US/10280066
 ; Publication No. US20030180718A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Pillutla, Renuka C.
 ; APPLICANT: Blum, Arthur J.
 ; APPLICANT: Prendergast, John
 ; APPLICANT: Goldstein, Neil I.
 ; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET
 ; CURRENT APPLICATION NUMBER: 2598-400US1
 ; CURRENT FILING DATE: 2002-10-24
 ; PRIORITY APPLICATION NUMBER: US/10/280,066
 ; PRIORITY FILING DATE: 2002-10-24
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; LENGTH: 15
 ; TYPE: PRT
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10
 US-10-354-240-24

Query Match 50.9%; Score 55; DB 14; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.16%;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 VNPAGPTGTRYGATRD 15

OTHER INFORMATION: 0700902-Hras-20M-PP-BC-D8
us-10-280-066-259

Query Match 6
Best Local Similarity 35.2%; Score 38; DB 14; Length 20;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 11 GATRERSLWI 20
Db 7 GVGREELWV 16

RESULT 6
US-09-977-797A-116
; Sequence 116, Application US/0977797A
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffrey D.
; APPLICANT: Huse, William D.
; TITLE OF INVENTION: Methods for Identifying Ligand Specific Binding Molecules
; FILE REFERENCE: AIB-06805
; CURRENT APPLICATION NUMBER: US/09/977,797A
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: 09/129,026
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 08/905,825
; PRIOR FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
us-09-977-797A-116

Query Match 6
Best Local Similarity 32.4%; Score 35; DB 10; Length 19;
Matches 7; Conservative 53.8%; Pred. No. 2.7e+02; Mismatches 1; Indels 5; Gaps 0;
Qy 7 TLYGATRERSLW 19
Db 4 TSRYTLRRRSIW 16

RESULT 7
US-10-679-246-15
; Sequence 15, Application US/10679246
; Publication No. US20040163138A1
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Matsuzawa, Shu-ichi
; TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved
; in Protein Degradation, Products and Methods Related Thereto
; FILE REFERENCE: 66842-235
; CURRENT APPLICATION NUMBER: US/10/679,246
; CURRENT FILING DATE: 2003-10-02
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
us-10-679-246-15

Query Match 6
Best Local Similarity 31.5%; Score 34; DB 16; Length 20;
Matches 9; Conservative 52.9%; Pred. No. 4.1e+02; Mismatches 2; Indels 6; Gaps 0;
Qy 4 APGTRYGTTERSILW 20
Db 1 RGGADDERSWW 11

RESULT 8
US-10-029-386-33100
; Sequence 33100, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GI
; FILE REFERENCE: ACOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annotax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33100
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000532.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.98
US-10-029-386-33100

Query Match 9
Best Local Similarity 30.6%; Score 33; DB 14; Length 17;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 3 PAPGTRYGA 12
Db 5 PVFGALHLGA 14

RESULT 9
US-10-199-820-243
; Sequence 243, Application US/10199820
; Publication No. US20030180739A1
; GENERAL INFORMATION:
; APPLICANT: Board of Trustees of the University of Illinois
; APPLICANT: Primiano, Thomas
; APPLICANT: Chang, Bey-dih
; APPLICANT: Roninson, Igor
; TITLE OF INVENTION: Methods and Reagents for Identifying Gene Targets for Treating Car
; FILE REFERENCE: 99_216_U
; CURRENT APPLICATION NUMBER: US/10/199,820
; CURRENT FILING DATE: 2002-09-23
; NUMBER OF SEQ ID NOS: 314
; SEQ ID NO 243
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-199-820-243

Query Match 10
Best Local Similarity 29.6%; Score 32; DB 14; Length 14;
Matches 7; Conservative 63.6%; Pred. No. 6e+02; Mismatches 0; Indels 0; Gaps 0;
Qy 9 RYCATRERSLW 19
Db 1 RGADDERSWW 11

RESULT 10
US-10-206-699-188
; Sequence 188, Application US/10206699
; Publication No. US20030100510A1
; GENERAL INFORMATION:
; APPLICANT: Sundaramoorthy, M.

APPLICANT: Hudson, B.
 TITLE OF INVENTION: Crystallized structure of Type IV Collagen NC1 Domain Hexamer
 FILE REFERENCE: MBHB 01-017
 CURRENT FILING DATE: 2002-07-26
 PRIOR APPLICATION NUMBER: US 10/206,699
 PRIOR FILING DATE: 2001-07-27
 PRIOR APPLICATION NUMBER: US 60/351,289
 PRIOR FILING DATE: 2001-07-29
 PRIOR APPLICATION NUMBER: US 60/366,854
 PRIOR FILING DATE: 2000-03-22
 PRIOR APPLICATION NUMBER: US 60/385,362
 PRIOR FILING DATE: 2002-06-03
 NUMBER OF SEQ ID NOS: 307
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 188
 LENGTH: 15
 TYPE: PRF
 ORGANISM: Homo sapiens
 US-10-206-699-188

RESULT 11
 US-08-396-140-14
 ; Sequence 14, Application US/08096140
 GENERAL INFORMATION
 FILE NUMBER: US20030190318A1
 APPLICANT: TORIGOE, Kakuji
 APPLICANT: USHIO, Shimpei
 APPLICANT: KUNIKATA, Toshiro
 APPLICANT: KURIMOTO, Masashi
 TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS
 NUMBER OF SEQUENCES: 31
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWDY AND NEIMARK
 STREET: 419 Seventh Street, N.W., Suite 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/996,140
 FILING DATE: 22-DEC-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 356,426/1996
 FILING DATE: 26-DEC-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 52,526/1997
 FILING DATE: 21-FEB-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 163,490/1997
 FILING DATE: 6-JUN-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 215,490/1997
 FILING DATE: 28-JUL-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: BROWDY, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: TORIGOE=2
 TELECOMMUNICATION INFORMATION:

SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide internal fragment
 US-08-396-140-14

RESULT 12
 US-08-677-599B-2
 ; Sequence 2, Application US/08677599B
 ; Publication No. US20020155117A1
 GENERAL INFORMATION:
 APPLICANT: Sucia-Poca, Nicole
 TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/677,599B
 FILING DATE: 08-JUL-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White Esq., John P.
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 50161-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212/278/0400
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-677-599B-2

RESULT 13
 US-09-804-980-255
 ; Sequence 255, Application US/09804980

Query Match Score 32; DB 8; Length 20;
 Best Local Similarity 66.7%; Pred. No. 8.5e+02;
 Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 11 GATRERSIW 19
 Db 1 GKTRERPLW 9

Publication No. US2003014789A1
 GENERAL INFORMATION:
 APPLICANT: Statens Serum Institut
 TITLE OF INVENTION: M. Tuberculosis Antigens
 FILE REFERENCE: 670001-2002.4
 CURRENT APPLICATION NUMBER: US/09/804,980
 NUMBER OF SEQ ID NOS: 257
 SEQ ID NO: 255
 LENGTH: 0
 TYPE: PRT
 ORGANISM: Mycobacterium tuberculosis
 US-09-804-980-255

Query Match 29.6%; Score 32; DB 10; Length 20;
 Best Local Similarity 46.7%; Pred. No. 8.5e+02;
 Matches 7; Conservative 3; Mismatches 3; Indels 2; Gaps 1;

Qy 6 GTLRYGATERSIWI 20
 Db 3 GTIRVGSGFRGR--WL 15

RESULT 14
 US-10-469-304-52
 Sequence 52, Application US/10469304
 Publication No. US2004009197A1
 GENERAL INFORMATION:
 APPLICANT: KIRIN BEER KABUSHIKI KAISHA
 TITLE OF INVENTION: Anti HLA-DR antibody
 FILE REFERENCE: PH-1646-PCT
 CURRENT APPLICATION NUMBER: US/10/469,304
 CURRENT FILING DATE: 2003-08-29
 PRIOR APPLICATION NUMBER: JPP001/317054
 NUMBER OF SEQ ID NOS: 147
 SEQ ID NO 52
 LENGTH: 13
 TYPE: PRT
 SOFTWARE: PatentIn ver. 2.1
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence:peptide
 US-10-469-304-52

Query Match 28.7%; Score 31; DB 15; Length 13;
 Best Local Similarity 66.7%; Pred. No. 7.9e+02;
 Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 11 GATRERSIW 19
 Db 1 GDTRPRFLW 9

RESULT 15
 US-10-083-768-167
 Sequence 167, Application US/10083768
 Publication No. US20030158116A1
 GENERAL INFORMATION:
 APPLICANT: Dower, William J.
 Barrett, Ronald W.
 Cwirla, Steven E.
 Duffin, David J.
 Gates, Christian
 Haselden, Sherrill S.
 Matthews, Harry C.
 Schatz, Peter J.
 Wagstrom, Christopher R.
 Wrighton, Nicholas C.

TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A THROMBOPOIETIN RECEPTOR

NUMBER OF SEQUENCES: 232
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Glaxo Wellcome
 STREET: Five Moore Drive, P.O. Box 13398
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/083,768
 FILING DATE: 27-Feb-2002
 ATTORNEY/AGENT INFORMATION:
 NAME: Hrubiec, Robert T.
 REGISTRATION NUMBER: 36,332
 REFERENCE/DOCKET NUMBER: BK3065USW
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-48-1000
 INFORMATION FOR SEQ ID NO: 167:
 MOLECULE TYPE: Peptide
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 STRANDEDNESS: <Unknown>
 TOPOLOGY: Linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 167:
 US-10-083-768-167

Query Match 28.7%; Score 31; DB 14; Length 17;
 Best Local Similarity 50.0%; Pred. No. 1e+03;
 Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy 9 RYGATRERSIWI 20
 Db 1 RYGCTHQ-WL 10

Search completed: January 26, 2005, 00:51:36
 Job time : 56.6 secs

This Page Blank (uspto)

Gencore version 5.1.6
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OM protein - protein search, using sw mode!

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds

(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-8

Perfect score: 108

Sequence: 1 VNPAPGTLRYGATRERSLNTI 20

Scoring table: BIOSUMM2

Gapop 10.0 , Gapext 0.5

Searched:

Total number of hits satisfying chosen parameters:

187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	length	DB	ID	Description
1	100	92.6	20	3	US-09-467-023-31		Sequence 31, App1
2	77	71.3	15	4	US-09-142-524D-25		Sequence 25, App1
3	72	66.7	15	4	US-09-142-524D-26		Sequence 26, App1
4	55	50.9	15	4	US-09-142-524D-24		Sequence 24, App1
5	55	50.9	20	3	US-08-467-023-30		Sequence 30, App1
6	45	41.7	15	4	US-09-142-524D-27		Sequence 27, App1
7	45	41.7	20	3	US-08-467-023-32		Sequence 32, App1
8	34	31.5	20	4	US-09-591-694-15		Sequence 15, App1
9	32	29.6	18	4	US-09-649-063-14		Sequence 14, App1
10	31	28.7	16	6	US-07-942-245-132		Sequence 132, App1
11	31	28.7	16	6	5171838-14		Patent No. 5171838
12	31	28.7	17	2	US-08-764-640-167		Sequence 167, App1
13	31	28.7	17	3	US-08-973-225-167		Sequence 167, App1
14	31	28.7	17	3	US-09-244-298A-167		Sequence 167, App1
15	31	28.7	17	3	US-09-516-704-167		Sequence 167, App1
16	31	28.7	17	4	US-09-549-090-167		Sequence 167, App1
17	31	28.7	17	4	US-09-832-230A-167		Sequence 167, App1
18	31	28.7	17	6	5171838-15		Patent No. 5171838
19	31	28.7	18	3	US-09-100-409A-16		Sequence 16, App1
20	31	28.7	18	6	5171838-16		Patent No. 5171838
21	31	28.7	19	2	US-08-729-152-14		Sequence 14, App1
22	31	28.7	19	6	5171838-17		Patent No. 5171838
23	31	28.7	20	2	US-08-480-190-42		Sequence 42, App1
24	31	28.7	20	2	US-08-488-379-42		Sequence 42, App1
25	31	28.7	20	4	US-03-072-596-275		Sequence 275, App1
26	31	28.7	20	4	US-08-475-399A-42		Sequence 42, App1
27	31	28.7	20	4	US-09-072-967-280		Sequence 280, App1

ALIGNMENTS

RESULT 1
US-08-467-023-31
; Sequence 31, Application US/08467023
; Patent No. 609386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From Pollen
; NUMBER OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02454
; COMPUTER READABLE FORM:
; COMPUTER TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE DOCKET NUMBER: 025,6 USSD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-31
 Query Match 92.6%; Score 100; DB 3; Length 20;
 Best Local Similarity 90.0%; Pred. No. 7.e-10; Indels 0; Gaps 0;
 Matches 18; Conservative 1; Mismatches 1; Indexes 0; Gaps 0;

Qy 1 VNPA[PGLY]GAT[RSW]I 20
 Db 1 VNPA[PGLY]GAT[RDPLWI] 20

RESULT 2
 US-09-142-524D-25
 ; Sequence 25, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142.524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 25
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11

US-09-142-524D-25
 Query Match 71.3%; Score 77; DB 4; Length 15;
 Best Local Similarity 93.3%; Pred. No. 3.3e-06; Indels 0; Gaps 0;
 Matches 14; Conservative 1; Mismatches 0; Indexes 0; Gaps 0;

Qy 1 VNPA[PGLY]GAT[RE] 15
 Db 1 VNPA[PGLY]GAT[RD] 15

RESULT 3
 US-09-142-524D-26
 ; Sequence 26, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142.524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 26
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

US-09-142-524D-26
 Query Match 66.1%; Score 72; DB 4; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.2e-05; Indexes 1; Mismatches 1; Gaps 0;

Qy 6 GT[RLYGA]T[RSW]I 20
 Db 1 GT[RLYGA]T[RDRPLWI] 15

RESULT 4
 US-09-142-524D-24
 ; Sequence 24, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142.524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 24
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10

US-09-142-524D-24
 Query Match 50.9%; Score 55; DB 4; Length 15;
 Best Local Similarity 100.0%; Pred. No. 0.014; Indexes 0; Mismatches 0; Gaps 0;

Qy 1 VNPA[PGLY]T[RY] 10
 Db 6 VNPA[PGLY]T[RY] 15

RESULT 5
 US-08-467-023-30
 ; Sequence 30, Application US/08467023
 ; Patent No. 6096386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Powers, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yen, Shu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/M-SOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 30:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: internal
 US-08-467-023-30

Query Match Score 55; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.02;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VNPAPGTLRY 10
 Db 11 VNPAPGTLRY 20

RESULT 6
 US-09-142-524D-27
 Sequence 27, Application US/09142524D
 GENERAL INFORMATION:
 Patent No. 6719976
 APPLICANT: Sons, Toshiro
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: Patentin version 3.1
 SEQ ID NO: 27
 LENGTH: 15
 TYPE: PRO
 ORGANISM: Cryptomeria japonica
 FEATURE: MISC. FEATURE
 LOCATION: (1)-(15)
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13

Query Match Score 45; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.63;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 GATRERSWI 20
 Db 1 GATRDRPLWI 10

RESULT 8
 US-09-591-694-15
 Sequence 15, Application US/09591694
 Patent No. 6638734
 GENERAL INFORMATION:
 APPLICANT: John C. Reed
 APPLICANT: Shu-ichi Matsuzawa
 TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved in Protein Degradation, Products and Methods Related Thereto
 FILE REFERENCE: P-LJ 4220
 CURRENT APPLICATION NUMBER: US/09/591,694

RESULT 7
 US-08-467-023-32
 Sequence 32, Application US/08467023
 GENERAL INFORMATION:
 Patent No. 6090386
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Young, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 32:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Peptide
 FRAGMENT TYPE: internal
 US-08-467-023-32

Query Match Score 45; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.87;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 GATRERSWI 20
 Db 1 GATRDRPLWI 10

CURRENT FILING DATE: 2000-06-09
; EARLIER APPLICATION NUMBER: US 09/1330,517
; EARLIER FILING DATE: 1999-06-11
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-591-694-15

Query Match Score 34; DB 4; Length 20;
Best Local Similarity 31.5%; Pred. No. 57;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 4 APGTIRYGTTRSLWI 2.0
Db 3 SPGALRSGSLRCISLRI 1.9

RESULT 9
US-09-649-063-14
Sequence 14, Application US/09649063
Patent No. 6600022
GENERAL INFORMATION:
APPLICANT: TORIGOE, Kakuji
USHIO, Shimppei
KUNIMOTO, Masashi
KURIKATA, Tohru
TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEES: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D. C.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/649,063
FILING DATE: 29-Aug-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,140
FILING DATE: <Unknown>
APPLICATION NUMBER: JP 52,526/1997
FILING DATE: 1-FEB-1997
APPLICATION NUMBER: JP 163,490/1997
FILING DATE: 6-JUN-1997
APPLICATION NUMBER: JP 215,490/1997
FILING DATE: 28-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 2,618
REFERENCE/DOCKET NUMBER: TORIGOE-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-337-3528
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal fragment
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-649-063-14
Query Match Score 29.6%; DB 4; Length 18;

Best Local Similarity 45.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1 VNPAAPTURYRG 11
Db 2 IDPANGDTKG 12

RESULT 10
US-07-942-245-132
Sequence 132, Application US/07942245
Patent No. 5639641
GENERAL INFORMATION:
APPLICANT: PEDERSEN, Jan T.
APPLICANT: SEARLE, Stephen M.J.
APPLICANT: REES, Anthony R.
APPLICANT: ROGUSKA, Michael A.
APPLICANT: GUILDFORD, Braydon C.
TITLE OF INVENTION: SURFACE RESIDUE VENEERING OF RODENT
TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 522
CORRESPONDENCE ADDRESS:
ADDRESSEES: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: HP 9000/700 Workstation
OPERATING SYSTEM: UNIX
SOFTWARE: In house
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/942,245
FILING DATE: 09-SEP-1992
CLASSIFICATION: 530
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 132:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-942-245-132
Query Match Score 28.7%; Pred. No. 1.4e+02;
Best Local Similarity 50.0%; Mismatches 5; Indels 0; Gaps 0;

Qy 3 PAPGTIRYGTTR 14
Db 4 PRPGVIRSTAMR 15

RESULT 11
5171838-14
; Patent No. 5171838
; APPLICANT: CHIBA, YUKINOBU
; TITLE OF INVENTION: LEU3A BINDING PEPTIDES
; NUMBER OF SEQUENCES: 24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/526,921
; FILING DATE: 22-MAY-1990
; SEQ ID NO: 14:
; LENGTH: 16
5171838-14
Query Match Score 28.7%; Pred. No. 1.4e+02;
Best Local Similarity 46.7%; Length 16;

RESULT 12
US 08-764-640-167
Sequence 167, Application US/08764640

QY 5 PGTRGATRSIWI 19
Db 1 PSKNDRDRSRSIWI 15

GENERAL INFORMATION:
APPLICANT: Dower, William J.
APPLICANT: Barrett, Ronald W.
APPLICANT: Cwirla, Steven E.
APPLICANT: Gates, Christian J.
APPLICANT: Haselden, Sherril S.
APPLICANT: Mattheakis, Larry C.
APPLICANT: Schatz, Peter J.
APPLICANT: Wagstrom, Christopher R.
APPLICANT: Wrighton, Nicholas C.

TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A THROMBOPOETIN RECEPTOR

NUMBER OF SEQUENCES: 232
CORRESPONDENCE ADDRESS:
ADDRESSEES: Glaxo Wellcome
STREET: Five Moore Drive, P.O. Box 13398
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/973/225A
FILING DATE: 04-Dec-1997
ATTORNEY/AGENT INFORMATION:
NAME: Hrubiec, Robert T.
REGISTRATION NUMBER: 36,392
REFERENCE/DOCKET NUMBER: PK3065USW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-248-1000

INFORMATION FOR SEQ ID NO: 167:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 167:
US-08-973-225-167

Query Match 28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

QY 9 RYGATRSIWI 20
Db 1 RYGCTRHQ-WL 10

RESULT 14
US-09-244-298A-167
Sequence 167, Application US/09244298A

GENERAL INFORMATION:
APPLICANT: Dower, William J.
APPLICANT: Barrett, Ronald W.
APPLICANT: Cwirla, Steven E.
APPLICANT: Gates, Christian J.
APPLICANT: Schatz, Peter J.
APPLICANT: Balasubramanian, Palaniappan
APPLICANT: Hendren, Randolph B.
APPLICANT: Podduturi, Surekha
APPLICANT: Deprince, Deprince
APPLICANT: Yin, Qun

TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A RECEPTOR

NUMBER OF SEQUENCES: 244
CORRESPONDENCE ADDRESS:
ADDRESSEE: Glaxo Wellcome

RESULT 13
US 08-373-225-167
Sequence 167, Application US/08973225A

Patent No. 6083313
GENERAL INFORMATION:
APPLICANT: Dower, William J.

STREET: Five Moore Drive, P.O. Box 13398
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/244,298A
 FILING DATE: 11-DEC-1996
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Hrubiec, Robert T.
 REGISTRATION NUMBER: 36,392
 REFERENCE/DOCKET NUMBER: PK3281
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-248-1000
 INFORMATION FOR SEQ ID NO: 167:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-09-244-298A-167

Query Match 28.7%; Score 31; DB 3; Length 17;
 Best Local Similarity 50.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;
 QY 9 RYGATRERSLWI 20
 Db 1 RYGTTRHQ--WL 10

RESULT 15
 US-09-516-704-167
 Sequence 167, Application US/09516704
 Patent No. 6251864

GENERAL INFORMATION:

APPLICANT: Dower, William J.
 Barrett, Ronald W.
 Cwirla, Steven E.
 Gates, Christian
 Schatz, Peter J.
 Balasubramanian, Palaniappan
 Wagstrom, Christopher R.
 Hendren, Richard W.
 Derdince, Randolph B.
 Poduturi, Surekha

TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
 RECEPTOR
 NUMBER OF SEQUENCES: 244
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Glaxo Wellcome
 STREET: Five Moore Drive, P.O. Box 13398
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/516,704
 FILING DATE: 01-Mar-2000
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:

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OM protein - protein search, using SW model.

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)

129.960 Million cell updates/sec

Title: US-09-202-464-9

Sequence: 1 GATRERSLWTFSKNLNIKL 20

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Post-processing: Minimum Match 10%
Maximum Match 100%
Listing first 45 summaries

Published Applications AA:
 1: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US07_PUBCOMB.pep:
 2: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US07_NEW_PUB.pep:
 3: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US07_NEW_PUB.pep:
 4: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US07_PUBCOMB.pep:
 5: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US07_PUBCOMB.pep:
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 7: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US08_NEW_PUB.pep:
 8: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US08_PUBCOMB.pep:
 9: /cgm2_6_ptodata/1/pubpa/1/pubpa/1US09_PUBCOMB.pep:
 10: /cgm2_6_ptodata/1/pubpa/1US09C_PUBCOMB.pep:
 11: /cgm2_6_ptodata/1/pubpa/1US09C_PUBCOMB.pep:
 12: /cgm2_6_ptodata/1/pubpa/1US09_NEW_PUB.pep:
 13: /cgm2_6_ptodata/1/pubpa/1US10A_PUBCOMB.pep:
 14: /cgm2_6_ptodata/1/pubpa/1US10B_PUBCOMB.pep:
 15: /cgm2_6_ptodata/1/pubpa/1US10C_PUBCOMB.pep:
 16: /cgm2_6_ptodata/1/pubpa/1US10_NEW_PUB.pep:
 17: /cgm2_6_ptodata/1/pubpa/1US11_NEW_PUB.pep:
 18: /cgm2_6_ptodata/1/pubpa/1US60_NEW_PUB.pep:
 19: /cgm2_6_ptodata/1/pubpa/1US60_PUBCOMB.pep:
 20: /cgm2_6_ptodata/1/pubpa/1US60_PUBCOMB.pep:

RESULT 1
 US-10-354-240-27 ; Application US10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; PRIORITY FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 27
 LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
 US-10-354-240-27

Query Match 62.4%; Score 63; DB 14; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.006%;
 Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GATRERSLWTFSKNLNIKL 15
 |||:|||||||

Pred. No. 18 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match Length	DB ID	Description
1	63	62.4	15	US-10-354-240-27 Sequence 27, App1
2	62	61.4	15	US-10-354-240-28 Sequence 28, App1
3	48	47.5	20	US-10-354-240-11 Sequence 11, App1
4	45	44.6	15	US-10-354-240-26 Sequence 26, App1
5	39	38.6	15	US-10-354-240-29 Sequence 29, App1
6	38	37.6	20	US-10-280-066-259 Sequence 259, App1
7	34	33.7	17	US-10-659-217-207 Sequence 207, App1
8	34	33.7	17	US-10-651-723-207 Sequence 207, App1
9	34	33.7	17	US-10-651-723-207 Sequence 207, App1
10	34	33.7	17	US-10-645-761-207 Sequence 207, App1
11	34	33.7	17	US-10-666-636-207 Sequence 207, App1
12	34	33.7	17	US-10-653-048-207 Sequence 207, App1
13	33	32.7	16	US-10-436-715-456 Sequence 456, App1

Db 1 GATRDRPLWIFPSGN 15

Db 1 IFSRNINIKL 10

RESULT 2
US-10-354-240-28
; Sequence 28 , Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshiro
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1).:(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-10-354-240-28

Query Match 61.4%; Score 62; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.086%;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
US-10-354-240-28

Qy 6 RSLMIFSKNINIKL 20
Db 1 RPLWIFSGNNNIKL 15

RESULT 3
US-10-354-240-11
; Sequence 11 , Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshiro
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

Query Match 47.5%; Score 48; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.9%;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IFSRNINIKL 20

RESULT 4
US-10-354-240-26
; Sequence 26 , Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshiro
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 26
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1).:(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
US-10-354-240-26

Query Match 44.6%; Score 45; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 4.2%;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GATRERSIWI 10
Db 6 GATRDRSLWI 15

RESULT 5
US-10-354-240-29
; Sequence 29 , Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshiro
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1).:(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-10-354-240-29

Qy 11 IFSRNINIKL 20

Query Match 38.6%; Score 39; DB 14; Length 15;
 Best Local Similarity 80.0%; Pred. No. 37;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 IFSKKNLNLKL 20
 Db 1 :|||:||| 1 IFSGNNNLKL 10

Db 2 ESSLWRLFSL 10

RESULT 6

US-10-280-066-259

; Sequence 25.9, Application US/10280066

; Publication No. US20030180718A1

; GENERAL INFORMATION:

; APPLICANT: Pillutla, Renuka C.

; APPLICANT: Spruyt, Michael

; APPLICANT: Dedova, Olga

; APPLICANT: Blume, Arthur J.

; APPLICANT: Prendergast, John

; APPLICANT: Goldstein, Neil I.

; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND

; FILE REFERENCE: 2568-4009US1

; CURRENT APPLICATION NUMBER: US/10/280,066

; CURRENT FILING DATE: 2002-10-24

; PRIOR APPLICATION NUMBER: 60/345,471

; PRIOR FILING DATE: 2001-10-24

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 259

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Escherichia coli

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: 0700902-Hras-20M-PP-BC-D8

US-10-280-066-259

Query Match 37.6%; Score 38; DB 14; Length 20;
 Best Local Similarity 60.0%; Pred. No. 71;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GATRERSWLT 10
 Db 1 :|||:|||:||| 7 GIVOREELWV 16

RESULT 7

US-10-609-217-207

; Sequence 20.7, Application US/10609217

; Publication No. US2004004188A1

; GENERAL INFORMATION:

; APPLICANT: FEIGE, ULRICH

; APPLICANT: LIU, CHUAN-FA

; APPLICANT: CHEETHAM, JANET C.

; APPLICANT: BOONE, THOMAS CHARLES

; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

; FILE REFERENCE: A-227

; CURRENT APPLICATION NUMBER: US/10/609,217

; CURRENT FILING DATE: 2003-06-27

; PRIOR APPLICATION NUMBER: US/09/428,082B

; PRIOR FILING DATE: 1999-10-22

; PRIOR APPLICATION NUMBER: 60/105,371

; PRIOR FILING DATE: 1998-10-23

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 207

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

US-10-609-217-207

RESULT 8

US 10-632-388-207

; Sequence 20.7, Application US/10632388

; Publication No. US0040053845A1

; GENERAL INFORMATION:

; APPLICANT: FEIGE, ULRICH

; APPLICANT: LIU, CHUAN-FA

; APPLICANT: CHEETHAM, JANET C.

; APPLICANT: BOONE, THOMAS CHARLES

; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

; FILE REFERENCE: A-527

; CURRENT APPLICATION NUMBER: US/10/632,388

; CURRENT FILING DATE: 2003-07-31

; PRIOR APPLICATION NUMBER: US/09/428,082B

; PRIOR FILING DATE: 1999-10-22

; PRIOR APPLICATION NUMBER: 60/105,371

; PRIOR FILING DATE: 1998-10-23

; NUMBER OF SEQ ID NOS: 1133

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 207

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

US-10-632-388-207

RESULT 9

US 10-651-723-207

; Sequence 20.7, Application US/10651723

; Publication No. US0040057953A1

; GENERAL INFORMATION:

; APPLICANT: FEIGE, ULRICH

; APPLICANT: LIU, CHUAN-FA

; APPLICANT: CHEETHAM, JANET C.

; APPLICANT: BOONE, THOMAS CHARLES

; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS

; FILE REFERENCE: A-527

; CURRENT APPLICATION NUMBER: US/10/651,723

; CURRENT FILING DATE: 2003-08-29

; PRIOR APPLICATION NUMBER: US/09/428,082B

; PRIOR FILING DATE: 1999-10-22

; PRIOR APPLICATION NUMBER: 60/105,371

; PRIOR FILING DATE: 1998-10-23

; NUMBER OF SEQ ID NOS: 1133

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 207

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

US-10-651-723-207

Query Match 33.7%; Score 34; DB 15; Length 17;
 Best Local Similarity 77.8%; Pred. No. 2.6e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 5 ERSIWIIFS 13
 Db 2 ESSLWRIIFS 10

RESULT 10
 US-10-645-761-207
 ; Sequence 207, Application US/10645761
 ; Publication No. US20040071712A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; APPLICANT: LIU, CHUAN-FA
 ; APPLICANT: CHEETHAM, JANET C.
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-527
 ; CURRENT APPLICATION NUMBER: US/10/645.761
 ; CURRENT FILING DATE: 2003-08-18
 ; PRIOR APPLICATION NUMBER: US/09/428, 082B
 ; PRIOR FILING DATE: 1999-10-22
 ; PRIOR APPLICATION NUMBER: 60/105,371
 ; NUMBER OF SEQ ID NOS: 1133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 207
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
 US-10-645-761-207

Query Match 33.7%; Score 34; DB 15; Length 17;
 Best Local Similarity 77.8%; Pred. No. 2.6e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 5 ERSIWIIFS 13
 Db 2 ESSLWRIIFS 10

RESULT 11
 US-10-666-696-207
 ; Sequence 207, Application US/10666696
 ; Publication No. US2004007022A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; APPLICANT: LIU, CHUAN-FA
 ; APPLICANT: CHEETHAM, JANET C.
 ; APPLICANT: BOONE, THOMAS CHARLES
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-527A
 ; CURRENT APPLICATION NUMBER: US/10/666.696
 ; CURRENT FILING DATE: 2003-09-19
 ; PRIOR APPLICATION NUMBER: US/09/563, 286C
 ; PRIOR FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: 09/428, 082
 ; PRIOR FILING DATE: 1999-10-22
 ; SEQ ID NO: 207
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

RESULT 12
 US-10-653-048-207
 ; Sequence 207, Application US/10653048
 ; Publication No. US2004008778A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; APPLICANT: LIU, CHUAN-FA
 ; APPLICANT: CHEETHAM, JANET C.
 ; APPLICANT: BOONE, THOMAS CHARLES
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-527
 ; CURRENT APPLICATION NUMBER: US/10/653, 048
 ; CURRENT FILING DATE: 2003-08-29
 ; PRIOR APPLICATION NUMBER: US/09/428, 082B
 ; PRIOR FILING DATE: 1999-10-22
 ; PRIOR APPLICATION NUMBER: 60/105,371
 ; PRIOR FILING DATE: 1998-10-23
 ; NUMBER OF SEQ ID NOS: 1133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 207
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
 US-10-653-048-207

Query Match 33.7%; Score 34; DB 15; Length 17;
 Best Local Similarity 77.8%; Pred. No. 2.6e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 5 ERSIWIIFS 13
 Db 2 ESSLWRIIFS 10

RESULT 13
 US-10-436-715-456
 ; Sequence 456, Application US/10436715
 ; Publication No. US2004018978A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bristol-Myers Squibb Company
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
 ; TITLE OF INVENTION: AND SPLICE VARIANTS THEREOF
 ; FILE REFERENCE: D0262 NP
 ; CURRENT APPLICATION NUMBER: US/10/436,715
 ; CURRENT FILING DATE: 2003-05-13
 ; PRIOR APPLICATION NUMBER: U.S. 60/380,336
 ; PRIOR FILING DATE: 2002-05-14
 ; NUMBER OF SEQ ID NOS: 471
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 456
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-436-715-456

Query Match 32.7%; Score 33; DB 15; Length 16;
 Best Local Similarity 75.0%; Pred. No. 3.5e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 10 IIFSKNLN 17

OTHER INFORMATION: Description of Artificial Sequence:peptide
US-10-469-304-52

	Query Match	Score	DB	Length	13;
	Best Local Similarity	Pred.	No.	6e+02;	
	Matches	Conservative	0;	Mismatches	3;
				Indels	0;
				Gaps	0;
Qy	1 GATRERSIW 9				
Db	1 GDTTRPRFLW 9				

Search completed: January 26, 2005, 00:51:37
Job time : 56.6 secs

RESULT 14
US-08-677-599B-2
Sequence 2, Application US/08677599B
GENERAL INFORMATION:
APPLICANT: Sucia, Foca, Nicolle
TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT
TITLE OF INVENTION: REJECTION AND USES THEREOF
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1105 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/677,599B
FILING DATE: 08-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White E&G, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50161-A

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212/278/0400
TELEFAX: 212/391/0525

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

us-08-677-599B-2

Query Match 31.7%; Score 32; DB 8; Length 20;
Best Local Similarity 66.7%; Pred. No. 6.3e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

	Query Match	Score	DB	Length	20;
	Best Local Similarity	Pred.	No.	6.3e+02;	
	Matches	Conservative	0;	Mismatches	3;
				Indels	0;
				Gaps	0;
Qy	1 GATRERSIW 9				
Db	1 GDTTRPRFLW 9				

RESULT 15
US-10-469-304-52
Sequence 52, Application US/10469304
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: Anti HLA-DR antibody
FILE REFERENCE: PH-1646-PCT
CURRENT APPLICATION NUMBER: US/10/469,304
CURRENT FILING DATE: 2003-08-29
PRIOR APPLICATION NUMBER: JPO001/317054
PRIOR FILING DATE: 2001-10-15
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 52
LENGTH: 13
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

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OM protein - protein search, using SW mode!

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)

78,483 Million Cell updates/sec

Title: US-09-202-464-9

Pefect score: 101

Sequence: 1 GATRERSLWITFSKMLNKL 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
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 2: /cn2_6/podata/1/iaa/5B_COMB.pep; *
 3: /cn2_6/podata/1/iaa/6A_COMB.pep; *
 4: /cn2_6/podata/1/iaa/6B_COMB.pep; *
 5: /cn2_6/podata/1/iaa/PCTUS_COMB.pep; *
 6: /cn2_6/podata/1/iaa/backfiles1.pep; *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	84	83.2	20	3	US-08-467	023-32	Sequence 32, App1
2	63	62.4	15	4	US-09-142	524D-27	Sequence 27, App1
3	61.4	61.4	15	4	US-09-142	524D-28	Sequence 28, App1
4	48	47.5	20	4	US-09-142	524D-11	Sequence 11, App1
5	45	44.6	15	4	US-09-142	524D-26	Sequence 26, App1
6	45	44.6	20	3	US-08-467	023-31	Sequence 31, App1
7	39	38.6	15	4	US-09-142	524D-29	Sequence 29, App1
8	39	38.6	20	3	US-08-467	023-33	Sequence 33, App1
9	34	33.7	12	1	US-08-378	761A-56	Sequence 56, App1
10	34	33.7	12	1	US-08-485	286-56	Sequence 56, App1
11	34	33.7	12	6	5244606	38	Patent No. 5244606
12	34	33.7	17	1	US-08-370	567-11	Sequence 11, App1
13	34	33.7	17	1	US-08-438	759-11	Sequence 11, App1
14	34	33.7	17	1	US-08-538	911-17	Sequence 17, App1
15	34	33.7	17	4	US-09-428	082B-207	Sequence 207, App1
16	34	33.7	17	5	PCT-US94	05591-17	Sequence 17, App1
17	34	33.7	17	5	PCT-US94	05684-11	Sequence 11, App1
18	31	30.7	17	4	US-10-032	330-17	Sequence 47, App1
19	31	30.7	20	2	US-08-480	190-42	Sequence 42, App1
20	31	30.7	20	2	US-08-488	379-42	Sequence 42, App1
21	31	30.7	20	4	US-08-475	399A-42	Sequence 42, App1
22	31	30.7	20	4	US-08-077	255A-42	Sequence 42, App1
23	31	30.7	20	5	PCT-US93	07545-42	Sequence 42, App1
24	30	29.7	13	4	US-09-461	325-525	Sequence 525, App1
25	30	29.7	13	4	US-10-012	542-525	Sequence 525, App1
26	30	29.7	13	4	US-10-115	123-525	Sequence 39, App1
27	30	29.7	16	4	US-09-929	922-39	Sequence 39, App1

ALIGNMENTS

RESULT 1
US-08-467-023-32
; Sequence 32, Application US/08467023
; Patent No. 609386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Young, Sui-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA

; ZIP: 02454

; COMPUTER READABLE FORM:

; COMPUTER: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,023
 ; FILING DATE: June 6, 1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/350,225
 ; FILING DATE: December 6, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane E. Remillard
 ; REGISTRATION NUMBER: 38,872
 ; REFERENCE/DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 32:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal

US-08-467-023-32

Query Match 83.2%; Score 84; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 8e-08;
 Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GATRERSWIFISKNLNLK 20
 Db 1 GATRDRPWTIFSGNNNLKL 20

RESULT 2

US-09-142-524D-27
 ; Sequence 27, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142-524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 27
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1) ..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13

US-09-142-524D-27

Query Match 62.4%; Score 63; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.00023; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GATRERSWIFISKN 15
 Db 1 GATRDRPWTIFSGN 15

RESULT 3

US-09-142-524D-28
 ; Sequence 28, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142-524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 28
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1) ..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12

US-09-142-524D-26

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14

US-09-142-524D-28

Query Match 61.4%; Score 62; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.00035; Mismatches 2; Indels 0; Gaps 0;

Qy 6 RSLWIIFSKNLNLK 20
 Db 1 RPLWIIFSGNNNLKL 15

RESULT 4

US-09-142-524D-11
 ; Sequence 11, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142-524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 11
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica

US-09-142-524D-11

Query Match 47.5%; Score 48; DB 4; Length 20;
 Best Local Similarity 100.0%; Pred. No. 0.12; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IFSKNLNLK 20
 Db 1 IFSKNLNLK 10

RESULT 5

US-09-142-524D-26
 ; Sequence 26, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142-524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 26
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1) ..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14

Query Match 44.6%; Score 45; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.29;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GATRERSIWI 10
 Db 6 GATRDRPLWI 15

RESULT 6
 US-08-467-023-31
 Sequence 31, Application US/08467023
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-meい H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Steven A.;
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESS: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 31:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal

US-08-467-023-31

Query Match 44.6%; Score 45; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.41;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GATRERSIWI 10
 Db 11 GATRDRPLWI 20

RESULT 7
 US-09-142-524D-29
 Sequence 29, Application US/09142524D

; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 29
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
 US-09-142-524D-29

Query Match 38.6%; Score 39; DB 4; Length 15;
 Best Local Similarity 90.0%; Pred. No. 3.2;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 11 IPSKNLNIKL 20
 ||| :|||
 Db 1 IPSGNNTIKL 10

RESULT 8
 US-08-467-023-33
 ; Sequence 33, Application US/08467023
 ; Patent No. 6030386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-meい H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Steven A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02454
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/467,023
 ; FILING DATE: June 6, 1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/350,225
 ; FILING DATE: December 6, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane E. Remillard
 ; REGISTRATION NUMBER: 38,872
 ; REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; INFORMATION FOR SEQ ID NO: 31:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal

US-08-467-023-33

Query Match 44.6%; Score 45; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.41;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GATRERSIWI 10
 Db 11 GATRDRPLWI 20

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2) RESULT 10
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400 Sequence 56, Application US/08485286
 TELEXFAX: (617) 227-5941 ; Patent No. 5616026
 INFORMATION FOR SEQ ID NO: 33: ; Patent No. 5616026 5646119
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids ; GENERAL INFORMATION:
 TYPE: amino acid ; APPLICANT: WALSH, TERENCE A
 TOPOLOGY: linear ; APPLICANT: HEY, TIMOTHY D
 MOLECULE TYPE: peptide ; APPLICANT: MORGAN, ALICE ER
 FRAGMENT TYPE: internal ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 US-08-467-023-33 ; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 Query Match Score 38.6%; Score 39; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 4.4%;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0; ; CORRESPONDENCE ADDRESS:
 Qy 11 IPSKNLNLKL 20 ; ADDRESSEE: ANDREA T. BORUCKI
 Db 1 IFSGNNNIKL 10 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/485,286
 FILING DATE: 26-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/378761
 FILING DATE: 26-JAN-1995
 NAME: BORUCKI, ANDREA T.
 REGISTRATION NUMBER: 33651
 REFERENCE/DOCKET NUMBER: 38272B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (317) 337-4846
 INFORMATION FOR SEQ ID NO: 56:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 12 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-485-286-56

RESULT 9
 US-08-378-761A-56 Query Match Score 33.7%; DB 1; Length 12;
 Sequence 56, Application US/08378761A Best Local Similarity 60.0%; Pred. No. 18;
 ; Patent No. 5635384 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 GENERAL INFORMATION:
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: WALSH, TERENCE A.
 APPLICANT: HEY, TIMOTHY D
 APPLICANT: MORGAN, ALICE ER
 TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 FRAGMENT TYPE: internal
 TITLE OF INVENTION: USING
 NUMBER OF SEQUENCES: 81
 CORRESPONDENCE ADDRESS:
 ADDRESS: ANDREA T. BORUCKI
 STREET: 9330 ZIONSVILLE ROAD
 CITY: INDIANAPOLIS
 STATE: IN
 ZIP: 46268
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/378,761A
 FILING DATE: 26-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 CLASSIFICATION: 435
 NAME: BORUCKI, ANDREA T.
 REGISTRATION NUMBER: 33651
 REFERENCE/DOCKET NUMBER: 38272B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (317) 337-4846
 INFORMATION FOR SEQ ID NO: 56:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 12 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-378-761A-56

RESULT 11
 5248606-38 Query Match Score 34; DB 1; Length 12;
 ; Patent No. 5248606 Best Local Similarity 60.0%; Pred. No. 18;
 ; APPLICANT: WALSH, TERENCE A.; HEY, TIMOTHY D.; MORGAN, Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
 ; ALICE E.R. ; TITLE OF INVENTION: DNA ENCODING INACTIVE PRECURSOR AND
 ; ACTIVE FORMS OF MAIZE RIBOSOME INACTIVATING
 ; NUMBER OF SEQUENCES: 49
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/535,636
 ; FILING DATE: 11-JUN-1990
 ; SEQ ID NO:38:
 ; LENGTH: 12
 5248606-38

Query Match Score 33.7%; DB 6; Length 12;
 Best Local Similarity 60.0%; Pred. No. 18;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0; ;
 Qy 5 ERSLLWIFSK 14 ;
 Db 2 ENSLWLALK 11 ;
 Query Match Score 34; DB 6; Length 12;

Best Local Similarity 60.0%; Pred. No. 18;
Matches 6; Conservative 1; Mismatches 3;
Indels 0; Gaps 0;

Qy 5 ERSLWIFSK 14
Db 2 ENSLWLALK 11

RESULT 12
US-08-370-567-11
Sequence 11, Application US/08370567
Patent No. 5,656726

GENERAL INFORMATION:
APPLICANT: Rosenberg, Steven
APPLICANT: Doyle, Michael
TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
ZIP: 94608

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,759

FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567

FILING DATE:
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259

REFERENCE/DOCKET NUMBER: 0941.001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TOPOLogy: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO

US-08-370-567-11

NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
ZIP: 94608

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,759

FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/061,514

FILING DATE:
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/061,514

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259

REFERENCE/DOCKET NUMBER: 0941.001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLogy: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO

US-08-370-567-11

RESULT 13
US-08-438-759-11
Sequence 11, Application US/08438759
Patent No. 5,679,82

GENERAL INFORMATION:
APPLICANT: Rosenberg, Steven
APPLICANT: Doyle, Michael
APPLICANT: Goodson, Robert
TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
TITLE OF INVENTION: Activity

Qy 5 ERSLWIFSK 13
Db 2 ESSLWIFPS 10

RESULT 14
US-08-538-911-17
Sequence 17, Application US/08538911
Patent No. 5,750,344

GENERAL INFORMATION:
APPLICANT: Doyle, Michael
APPLICANT: Winter, Jill
TITLE OF INVENTION: Method For Selection Of Biologically
Number Of Sequences: 21

CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA

ZIP: 94608

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/538,911

FILING DATE:
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/069,352
 FILING DATE: 08/06/2003
 ATTORNEY/AGENT INFORMATION:
 NAME: Green, Grant D.
 REGISTRATION NUMBER: 31,259
 REFERENCE/DOCKET NUMBER: 0407.001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 510 601-2706
 TELEFAX: 510-655-5542
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYPOTHETICAL: NO
 US-08-538-911-17

Query Match 33.7%; Score 34; DB 1; Length 17;
 Best Local Similarity 7.8%; Pred. No. 26;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 5 ERSILWIFS 13
 | ||| | | |
 Db 2 ESSLWRIFFS 10

RESULT 15
 US-09-428-082B-207
 ; Sequence 207, Application US/09428082B
 ; Patent No. 6660843
 ; GENERAL INFORMATION:
 ; APPLICANT: FEIGE, ULRICH
 ; LIU, CHUAN-FA
 ; APPLICANT: CHEETHAM, JANET C
 ; APPLICANT: BOONE, THOMAS CHARLES
 ; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
 ; FILE REFERENCE: A-577
 ; CURRENT APPLICATION NUMBER: US/09/428,082B
 ; CURRENT FILING DATE: 1999-10-22
 ; PRIOR APPLICATION NUMBER: 60/105,371
 ; PRIOR FILING DATE: 1998-10-23
 ; NUMBER OF SEQ ID NOS: 1133
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 207
 ; LENGTH: 17
 ; TYPE: PRF
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
 ; US-09-428-082B-207

Query Match 33.7%; Score 34; DB 4; Length 17;
 Best Local Similarity 77.8%; Pred. No. 26;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 5 ERSILWIFS 13
 | ||| | | |
 Db 2 ESSLWRIFFS 10

Search completed: January 26, 2005, 00:05:13
 Job time : 17.9 secs

US-10-354-240-29
 ; Sequence 29, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; CURRENT APPLICATION NUMBER: US/10/354, 240
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1998-09-09
 ; PRIORITY FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 29
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
 ; US-10-354-240-29
 ; Query Match Score 60; DB 14; Length 15;
 ; Best Local Similarity 73.3%; Pred. No. 0.0043;
 ; Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 ;
 Qy 1 IFSKNKLKMPY 15
 Db 1 IFSGNNNIKLKMPY 15
 ;
 RESULT 3
 US-10-354-240-30
 ; Sequence 30, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354, 240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIORITY FILING DATE: 1998-09-09
 ; PRIORITY FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 30
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16
 ; US-10-354-240-30
 ; Query Match Score 59; DB 14; Length 15;
 ; Best Local Similarity 73.3%; Pred. No. 0.0053;
 ; Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 ;
 6 LNKLKMPYAGNK 20

Db 1 MNIXLXKMPYIAGYK 15

RESULT 4
 US-10-354-240-28
 ; Sequence 28, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354, 240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142, 524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 28
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 Peptide, Figure 1, Row 14
 ; US-10-354-240-28
 ; Query Match Score 39; DB 14; Length 15;
 ; Best Local Similarity 80.0%; Pred. No. 14;
 ; Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 ;
 Qy 1 TFSKNLNIKL 10
 Db 6 IFSGNNNIKL 15
 ;
 RESULT 5
 US-10-354-240-31
 ; Sequence 31, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354, 240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142, 524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 31
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17
 ; US-10-354-240-31

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Query Match      37.3%;   Score 38;  DB 14;  Length 15;
Best Local Similarity    Pred. No. 21;
Matches 7;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;
Qy          12 MPLYTAGNK 20
Db          2 MPMYTAGYK 10

RESULT 6
US-10-402-954-42
; Sequence 42, Application US/10402954
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/10/402,954
; CURRENT FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: US/09/402,401C
; PRIOR FILING DATE: 1999-10-04
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO: 42
; LENGTH: 19
; TYPE: PRP
; ORGANISM: Ad3 fiber Mastadenovirus
US-10-402-954-42

Query Match      36.3%;   Score 37;  DB 14;  Length 19;
Best Local Similarity    Pred. No. 41;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;
Qy          4 KNLNKLAMPY 15
Db          6 KNRKVSVINVELY 17

RESULT 7
US-09-809-391-714
; Sequence 714, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper
; SEQ ID NO: 714
; SOFTWARE: PatentIn Ver. 2.0
; LENGTH: 13
; TYPE: PRP
; ORGANISM: Homo sapiens
US-09-809-391-714

Query Match      34.3%;   Score 35;  DB 10;  Length 13;
Best Local Similarity    Pred. No. 57;
Matches 6;  Conservative 2;  Mismatches 2;  Indels 0;  Gaps 0;
Qy          11 NMPIYAGNK 20
Db          1 NVPILIGNK 10

RESULT 8
US-09-882-171-714
; Sequence 714, Application US/09882171
; Publication No. US20030175858A1
; GENERAL INFORMATION:

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; PRIOR APPLICATION NUMBER: 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,569
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,311
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,671
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,674
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,669
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,312
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,313
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,572
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,315
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/048,974
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/056,886
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,877
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,889
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,893
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,630
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,878
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,662
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,903
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,888
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; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,880
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,894
; PRIOR FILING DATE: 1997-08-22
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; PRIOR FILING DATE: 1997-08-22
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; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,874
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,864
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,892
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/057,761
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/047,595
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,599

; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,588
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,585
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,586
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,590
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,594
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,593
; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/047,594
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,578
; PRIOR FILING DATE: 1997-04-11
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; PRIOR APPLICATION NUMBER: 60/047,501
; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/056,866
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/057,650
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/057,669
; PRIOR FILING DATE: 1997-09-05

Query Match Score 34.3%; DB 10; Length 13;
Best Local Similarity 60.0%; Pred. No. 57;
Matches 6; Conservative 2; Mismatches 2; Indexes 0; Gaps 0;

QY 11 NMPLYAGNK 20
Db 1 NVPDILGNNK 10

RESULT 9
US-10-164-861-714
; Sequence 714, Application US/10164861
; Publication No. US20030225248A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ02P1
; CURRENT APPLICATION NUMBER: US/10/164,861
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US/09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR FILING DATE: 1998-09-08

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PRIOR APPLICATION NUMBER: PCT/US98/04493
 PRIOR FILING DATE: 1998-03-06
 NUMBER OF SEQ ID NOS: 757
 SEQ ID NO: 714
 LENGTH: 13
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-164-861-714

Query Match 34.3%; Score 35; DB 14; Length 13;
 Best Local Similarity 60.0%; Prd. No. 57; Indels 0; Gaps 0;
 Matches 6; Conservative 2; Mismatches 2;

Qy 11 NMPLYIAGNK 20
 Db 1 NVPILILGKNC 10

RESULT 10
 US-10-777-893-150
 Sequence 150, Application US/10777893
 Publication No. US20050003450A1
 GENERAL INFORMATION:
 APPLICANT: Cell Signaling Technology, Inc.
 RUSH, John
 ZHANG, Hui
 ZHA, Xiangming
 COMB, Michael J.
 APPLICANT: TAN, YI
 TITLE OF INVENTION: IMMUNOAFFINITY ISOLATION OF MODIFIED PEPTIDES FROM COMPLEX MIXTURE
 FILE REFERENCE: CST-201 CIP
 CURRENT APPLICATION NUMBER: US/10/777,893
 CURRENT FILING DATE: 2004-02-12
 PRIOR APPLICATION NUMBER: US 6/148,712
 PRIOR FILING DATE: 1998-09-04
 PRIOR APPLICATION NUMBER: US 10/175,486
 PRIOR FILING DATE: 2002-06-19
 PRIOR APPLICATION NUMBER: US 0/535,364
 PRIOR FILING DATE: 2000-03-24
 PRIOR APPLICATION NUMBER: US 6/0/299,893
 PRIOR FILING DATE: 2001-06-21
 PRIOR FILING DATE: 2001-11-08
 NUMBER OF SEQ ID NOS: 163
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 150
 LENGTH: 11
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: MOD RES
 LOCATION: (2)- (2)
 OTHER INFORMATION:
 US-10-777-893-150

Query Match 30.4%; Score 31; DB 17; Length 11;
 Best Local Similarity 71.4%; Prd. No. 2.e+02; Indels 0; Gaps 0;
 Matches 5; Conservative 1; Mismatches 1;

Qy 10 LNMPAYI 16
 Db 4 LNMPAYV 10

RESULT 11
 US-09-071-838-244
 Sequence 244, Application US/09071838
 Patent No. US200515201A1
 GENERAL INFORMATION:
 APPLICANT: Fischer, Robert L.
 OHAD, Nir
 KIYOSUE, Tomohiro
 YADEGARI, Ramin
 MARGOSSIAN, Linda
 HARADA, John
 GOLDBERG, Robert B.
 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and
 FILE REFERENCE: 023070-08610US
 CURRENT FILING DATE: 2002-08-06
 PRIORITY APPLICATION NUMBER: US/09177,206
 PRIORITY FILING DATE: 1998-10-22
 PRIORITY APPLICATION NUMBER: US 09/071,838
 NUMBER OF SEQ ID NOS: 324
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 244
 LENGTH: 18

APPLICANT: Yadegari, Ramin
 MARGOSSIAN, Linda
 HARADA, John
 GOLDBERG, Robert B.
 TITLE OF INVENTION: Nucleic Acids That Control Seed and
 TITLE OF INVENTION: Fruit Development in Plants
 NUMBER OF SEQUENCES: 324
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/071,838
 FILING DATE: 01-MAY-1998
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: Bastian, Kevin L.
 REGISTRATION NUMBER: 34,774
 REFERENCE/DOCKET NUMBER: 023070-086100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 244:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-09-071-838-244

Query Match 30.4%; Score 31; DB 9; Length 18;
 Best Local Similarity 35.7%; Pred. No. 3.9e+02;
 Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
 Qy 7 NIKLNLMPLYIAGNK 20
 Db 1 NLKNLPLPYIYLIN 14

RESULT 12
 US-10-113-512-244
 Sequence 244, Application US/10213512
 Publication No. US20030110536A1
 GENERAL INFORMATION:
 APPLICANT: Fischer, Robert L.
 OHAD, Nir
 KIYOSUE, Tomohiro
 YADEGARI, Ramin
 MARGOSSIAN, Linda
 HARADA, John
 GOLDBERG, Robert B.
 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and
 FILE REFERENCE: 023070-08610US
 CURRENT FILING DATE: 2002-08-06
 PRIORITY APPLICATION NUMBER: US/09177,206
 PRIORITY FILING DATE: 1998-10-22
 PRIORITY APPLICATION NUMBER: US 09/071,838
 NUMBER OF SEQ ID NOS: 324
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 244
 LENGTH: 18

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Listing first 45 summaries

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4: /cgm2_6_ptodata/1/iaa/6B_COMBO.pep *
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6: /cgm2_6_ptodata/1/iaa/backf1e1.pep :*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Alt	Score	Query Match	Length	DB ID	Description
1	102	100.0	20	4 US-09-142-524D-11	Sequence 11, Appl
2	77	75.5	20	3 US-09-142-524D-11	Sequence 33, Appl
3	60	58.8	15	4 US-09-142-524D-29	Sequence 29, Appl
4	59	57.8	15	4 US-09-142-524D-10	Sequence 30, Appl
5	39	38.2	15	4 US-09-142-524D-28	Sequence 28, Appl
6	39	38.2	20	3 US-08-467-023-33	Sequence 32, Appl
7	38	37.3	15	4 US-09-142-524D-31	Sequence 31, Appl
8	38	37.3	20	3 US-08-467-023-34	Sequence 34, Appl
9	37	36.3	19	4 US-09-402-01C-32	Sequence 42, Appl
10	35	34.3	13	4 US-09-149-476-714	Sequence 714, Appl
11	31	30.4	18	3 US-09-177-249-244	Sequence 244, Appl
12	30	29.4	13	4 US-09-461-325-525	Sequence 525, Appl
13	30	29.4	13	4 US-10-012-442-525	Sequence 525, Appl
14	30	29.4	13	4 US-10-115-123-525	Sequence 525, Appl
15	30	29.4	17	4 US-08-437-141-12	Sequence 12, Appl
16	30	29.4	17	1 US-08-286-521-12	Sequence 12, Appl
17	30	29.4	17	1 US-08-436-175-12	Sequence 8, Appl
18	30	29.4	17	2 US-08-435-149-8	Sequence 12, Appl
19	30	29.4	17	3 US-08-943-682-12	Sequence 12, Appl
20	30	29.4	17	4 US-09-106-12	Sequence 12, Appl
21	30	29.4	17	5 PCT-US95-0464-12	Sequence 12, Appl
22	29	28.4	10	4 US-09-490-702B-65	Sequence 65, Appl
23	29	28.4	14	1 US-08-281-193-12	Sequence 12, Appl
24	29	28.4	14	1 US-08-422-106-12	Sequence 12, Appl
25	29	28.4	14	2 US-08-735-716-12	Sequence 12, Appl
26	29	28.4	14	2 US-08-519-223-12	Sequence 12, Appl
27	29	28.4	14	2 US-09-118-23	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-142-524D-11
; Sequence 11, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinjo, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergy
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142-524D
; CURRENT FILING DATE: 1998-03-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-11
Query Match 100.0%; Score 102; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.3e-11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IFSKNNIKNMPLYAGNK 20
Db 1 IFSKNNIKNMPLYAGNK 20
RESULT 2
US-08-467-023-33
; Sequence 33, Application US/08467023
; General Information:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Ssu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; NUMBER OF SEQUENCES: 261
; TITLE OF INVENTION: Japanese Cedar Pollen

1 CORRESPONDENCE ADDRESS:
 1 ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 1 STREET: 610 Lincoln St
 1 CITY: Waltham
 1 STATE: MA
 1 COUNTRY: USA
 1 ZIP: 02154

1 COMPUTER READABLE FORM:
 1 MEDIUM TYPE: Floppy disk
 1 COMPUTER: IBM PC compatible
 1 OPERATING SYSTEM: PC-DOS/MS-DOS
 1 SOFTWARE: PatentIn Release #1.0, Version #1.25

1 CURRENT APPLICATION DATA:
 1 APPLICATION NUMBER: US/08/467,023

1 FILING DATE: June 6, 1995
 1 CLASSIFICATION: 424

1 PRIOR APPLICATION DATA:
 1 APPLICATION NUMBER: 08/350,225

1 PRIORITY DATE: December 6, 1994
 1 ATTORNEY/AGENT INFORMATION:

1 NAME: Jane E. Remillard
 1 REGISTRATION NUMBER: 38,872

1 REFERENCE/DOCKET NUMBER: 025..6 USD2 (IMI-028CPD2)

1 TELECOMMUNICATION INFORMATION:
 1 TELEPHONE: (617) 227-7400

1 TELEFAX: (617) 227-5941
 1 INFORMATION FOR SEQ ID NO: 33:

1 SEQUENCE CHARACTERISTICS:
 1 LENGTH: 20 amino acids
 1 TYPE: amino acid

1 TOPOLOGY: linear
 1 MOLECULE TYPE: peptide
 1 FRAGMENT TYPE: internal

1 US-08-467-023-33

1 Query Match 75.5%; Score 77; DB 3; Length 20;
 1 Best Local Similarity 75.0%; Pred. No. 1.4e-06;
 1 Matches 15; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

1 Qy 1 IFSKNLTNLKLNMPLYAGNK 20

1 Db 1 IFSGNNNIKLKMPMYIAGRK 20

1 RESULT 3
 1 US-09-142-524D-29

1 Sequence 29, Application US/09142524D
 1 Patent No. 6719976

1 GENERAL INFORMATION:
 1 APPLICANT: Sone, Toshio

1 APPLICANT: Kume, Akinori
 1 APPLICANT: Dairiki, Kazuo
 1 APPLICANT: Iwama, Akiko

1 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 1 FILE REFERENCE: SPO-103

1 CURRENT APPLICATION NUMBER: US/09/142,524D
 1 CURRENT FILING DATE: 1998-09-09

1 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 1 PRIOR FILING DATE: 1997-03-10

1 NUMBER OF SEQ ID NOS: 174
 1 SOFTWARE: PatentIn version 3.1

1 SEQ ID NO: 29
 1 LENGTH: 15
 1 TYPE: PRT
 1 ORGANISM: Cryptomeria japonica

1 FEATURE:
 1 NAME/KEY: MISC_FEATURE
 1 LOCATION: (1)..(15)
 1 OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 15
 1 US-09-142-524D-29

1 Query Match 58.8%; Score 60; DB 4; Length 15;

1 Best Local Similarity 73.3%; Pred. No. 0.00082;
 1 Matches 11; Conservative 2; Mismatches 2;
 1 Indels 0; Gaps 0;

1 Qy 1 IFSKNLTNLKLNMPLY 15
 1 Db 1 IFSGNNNIKLKMPY 15

1 RESULT 4
 1 US-09-142-524D-30

1 Sequence 30, Application US/09142524D
 1 Patent No. 6719976

1 GENERAL INFORMATION:
 1 APPLICANT: Sone, Toshio

1 APPLICANT: Kume, Akinori
 1 APPLICANT: Dairiki, Kazuo

1 APPLICANT: Iwama, Akiko

1 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 1 FILE REFERENCE: SPO-103

1 CURRENT APPLICATION NUMBER: US/09/142,524D

1 CURRENT FILING DATE: 1998-09-09

1 PRIOR APPLICATION NUMBER: PCT/JP97/00740

1 PRIOR FILING DATE: 1997-03-10

1 NUMBER OF SEQ ID NOS: 174

1 SOFTWARE: PatentIn version 3.1

1 SEQ ID NO: 30
 1 LENGTH: 15
 1 TYPE: PRT
 1 ORGANISM: Cryptomeria japonica

1 FEATURE:
 1 NAME/KEY: MISC_FEATURE
 1 LOCATION: (1)..(15)
 1 OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 16
 1 US-09-142-524D-30

1 RESULT 5
 1 US-09-142-524D-28

1 Sequence 28, Application US/09142524D
 1 Patent No. 6719976

1 GENERAL INFORMATION:
 1 APPLICANT: Sone, Toshio

1 APPLICANT: Kume, Akinori
 1 APPLICANT: Dairiki, Kazuo

1 APPLICANT: Iwama, Akiko

1 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 1 FILE REFERENCE: SPO-103

1 CURRENT APPLICATION NUMBER: US/09/142,524D

1 CURRENT FILING DATE: 1998-09-09

1 PRIOR APPLICATION NUMBER: PCT/JP97/00740

1 PRIOR FILING DATE: 1997-03-10

1 NUMBER OF SEQ ID NOS: 174

1 SOFTWARE: PatentIn version 3.1

1 SEQ ID NO: 28
 1 LENGTH: 15
 1 TYPE: PRT
 1 ORGANISM: Cryptomeria japonica

1 FEATURE:
 1 NAME/KEY: MISC_FEATURE
 1 LOCATION: (1)..(15)
 1 OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 14
 1 US-09-142-524D-28

Query Match 38.2%; Score 39; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 3.2;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IFSKNLNIKL 10
 Db 6 IFSGNNNIKL 15

RESULT 6

US 08-467-023-32
 ; Sequence 32, Application US/08467023
 ; Patent No. 609086
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ADDRESSSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St.
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

CORRESPONDENCE ADDRESS:
 NUMBER OF SEQUENCES: 261
 TITLE OF INVENTION: Japanese Cedar Pollen

Query Match 38.2%; Score 39; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 4.5; Length 20;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IFSKNLNIKL 10
 Db 11 IFSGNNNIKL 20

RESULT 7

US 09-142-524D-31
 ; Sequence 31, Application US/09142524D

; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142-524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 31
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC-FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17
 US-09-142-524D-31

Query Match 37.3%; Score 38; DB 4; Length 15;
 Best Local Similarity 77.8%; Pred. No. 4.8;
 Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 12 MPLYIAGNPK 20
 Db 2 MPMYIAGYK 10

RESULT 8

US 08-467-023-34
 ; Sequence 34, Application US/08467023
 ; Patent No. 609386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ADDRESSSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St.
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025..6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 32:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal

US-08-467-023-32

REFERENCE/DOCKET NUMBER: 025, 6 USPD2 (IMI-028CPD2)
; ; TELECOMMUNICATION INFORMATION:
; ; TELEPHONE: (617) 227-7400
; ; TELEFAX: (617) 227-5941
; ; INFORMATION FOR SEQ ID NO: 34:
; ; SEQUENCE CHARACTERISTICS:
; ; LENGTH: 20 amino acids
; ; TYPE: amino acid
; ; TOPOLOGY: linear
; ; MOLECULE TYPE: peptide
; ; FRAGMENT TYPE: internal
; ; US-08-467-023-34

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	Best Local Similarity	77.8%;	Pred. No.	6.7;	
	Matches	7;	Mismatches	1;	Indels
				0;	Gaps
Db	2	MPMYTAGYK 10			0;

RESULT 9
US-09-402-401C-42
; Sequence 42, Application US/09402401C
; PATENT NO. 6569677
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/09/402,401C
; CURRENT FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: WO 98 44121
; PRIOR FILING DATE: 1998-04-02
; SEQ ID NO: 46
; SOFTWARE: PatentIn Ver. 2.2
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus

Query Match 36.3%; Score 37; DB 4; Length 19;
Best Local Similarity 50.0%; Pred. No. 9.4;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

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	: :				
Db	6	KNKNSVNSVNLVY 17			

RESULT 10
US-09-149-476-714
; Sequence 714, Application US/09149476
; PATENT NO. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07

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; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,654
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,654
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,950
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,659
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

RESULT 11
US-09-177-249-244
Query Match 34.3%; Score 35; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 13;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 NMPYLTAGNKN 20
Db 1 :|: ||| | NVPILIGNKN 10

; TITLE OF INVENTION: Nucleic Acids for the University of California Seed and Fruit
; Sequence 244, Application US/09177249
; Patent No. 6229564
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Goldberg, Robert B.
; APPLICANT: The Regents of the University of California
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; TITLE OF INVENTION: Development in Plants
; FILE REFERENCE: 023070-08610US
; CURRENT APPLICATION NUMBER: US/09-177-249
; CURRENT FILING DATE: 1998-10-22
; EARLIER APPLICATION NUMBER: US 09/071,838
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO '244
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-177-249-244

Query Match 30.4%; Score 31; DB 3; Length 18;

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ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,841
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/286,521
FILING DATE: 05-AUG-1994
ATTORNEY /AGENT INFORMATION:
NAME: Saveriade, Paul B.
REGISTRATION NUMBER: 36,914
REFERENCE/DOCKET NUMBER: 0990.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2585
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-437-841-12

Query Match 29.4%; Score 30; DB 1; Length 17;
Best Local Similarity 58.3%; Prod. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 9 KUNMPYIAGNK 20
Db ||||| |||||
2 KUNCRITRANK 13

Search completed: January 26, 2005, 00:05:14
Job time : 17.9 secs

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4	33	29.5	15	17	US-10-732-345-20	Sequence 1, Appl
5	33	29.5	16	9	US-09-908-322-32	Sequence 32, Appl
6	33	29.5	16	10	US-09-783-911-32	Sequence 32, Appl
7	33	29.5	20	15	US-10-432-445-16	Sequence 16, Appl
8	33	29.5	20	17	US-10-890-526-41	Sequence 41, Appl
9	32	28.6	10	10	US-09-527-048B-052	Sequence 852, Appl
10	32	28.6	12	15	US-10-162-527-39	Sequence 39, Appl
11	32	28.6	16	10	US-09-747-281-103	Sequence 103, Appl
12	32	28.6	16	11	US-09-874-30A-70	Sequence 70, Appl
13	31	27.7	9	14	US-10-213-742-4	Sequence 4, Appl
14	31	27.7	11	15	US-10-356-251-203	Sequence 203, Appl
15	31	27.7	13	14	US-10-152-158-2	Sequence 2, Appl
16	31	27.7	17	17	US-10-152-158-2	Sequence 16, Appl
17	31	27.7	18	17	US-10-473-134-16	Sequence 1, Appl
18	31	27.7	18	17	US-10-473-134-1	Sequence 11, Appl
19	30	26.8	9	15	US-10-466-205-13	Sequence 13, Appl
20	30	26.8	13	15	US-10-469-837-60	Sequence 60, Appl
21	30	26.8	13	15	US-10-469-837-61	Sequence 61, Appl
22	30	26.8	15	10	US-09-894-594-37	Sequence 31, Appl
23	30	26.8	15	10	US-09-894-594-54	Sequence 54, Appl
24	30	26.8	15	14	US-10-0-830-1160	Sequence 160, Appl
25	30	26.8	15	15	US-10-449-839A-15	Sequence 15, Appl
26	30	26.8	18	14	US-10-106-638-7659	Sequence 7659, Ap
27	30	26.8	19	14	US-10-225-567A-106	Sequence 1306, Ap
28	30	26.8	19	14	US-10-029-366-34000	Sequence 34000, A
29	30	26.8	20	14	US-10-029-386-28053	Sequence 28053, A
30	30	26.8	20	14	US-10-283-017-2043	Sequence 2043, Ap
31	29	25.9	6	17	US-10-719-385-26	Sequence 26, Appl
32	29	25.9	7	15	US-10-297-337-13	Sequence 13, Appl
33	29	25.9	9	9	US-09-791-378-59	Sequence 59, Appl
34	29	25.9	9	9	US-09-826-290-85	Sequence 85, Appl
35	29	25.9	9	9	US-09-791-393-91	Sequence 91, Appl

ALIGNMENTS

Sequence	113,	APP
Sequence	117,	APP

No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, derived by analysis of the total score distribution.

SUMMATES

result No.	Query			Description		
	Score	Match	Length	DB ID	Sequence	Organism
1	70	62.5	15	14	US-10-354-240-34	Sequence 34, App1
2	68	60.7	15	14	US-10-354-240-33	Sequence 33, App1
3	52	46.4	15	14	US-10-354-240-35	Sequence 35, App1
4	40	35.7	15	14	US-10-354-240-32	Sequence 32, App1
5	40	35.7	20	9	US-09-876-204-5	Sequence 5, App1
6	37	33.0	16	14	US-10-062-548-119	Sequence 119, App1
7	37	33.0	18	10	US-09-764-163-2	Sequence 2, App1
8	37	33.0	18	15	US-10-668-778-9	Sequence 9, App1
9	36	32.1	20	9	US-09-876-204-4	Sequence 4, App1
10	36	32.1	20	14	US-10-280-066-467	Sequence 467, App1
11	33	29.5	13	10	US-09-952-940-113	Sequence 113, App1
12	33	29.5	13	14	US-10-373-540-17	Sequence 17, App1
12	33	29.5	13	14	US-10-411-325-112	Sequence 112, App1
12	33	29.5	13	14	US-10-411-325-112	Sequence 112, App1
Qy						6 GAEVHIGNGGPCLFM 20

Db 1 GAQVYIGNGGPGCVF1 15

RESULT 2
 US-10-354-240-33
 ; Sequence 33, Application US/10354240
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwana, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 33
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 19

Query Match 1 TIDGRGAETHINGG 15
 Best Local Similarity 80.0%; Pred. No. 0.037; Length 15;
 Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Db 1 TFDGRGAQYYIGNEG 15

RESULT 3
 US-10-354-240-35
 ; Sequence 35, Application US/10354240
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwana, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 35
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21

Query Match 46.4%; Score 52; DB 14; Length 15;

Qy 1 GAQVYIGNGGPGCVF1 15

Db 1 IGNCGPCLFM 20
 ; Sequence 32, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwana, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 32
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18

Query Match 1 TIDGRGAEVH 10
 Best Local Similarity 70.0%; Pred. No. 53; Length 15;
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Db 6 TFDGRGAQVY 15

RESULT 4
 US-10-354-240-32
 ; Sequence 32, Application US/10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwana, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US/10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; PRIOR APPLICATION NUMBER: US 09/142,524
 ; PRIOR FILING DATE: 1998-09-09
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 32
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18

Query Match 35.7%; Score 40; DB 14; Length 15;

Qy 1 TIDGRGAEVH 10

Db 6 TFDGRGAQVY 15

RESULT 5
 US-09-876-204-5
 ; Sequence 5, Application US/09876204
 ; Patent No. US2005231A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gordon C. Shore et al.
 ; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
 ; FILE REFERENCE: 50013/011001
 ; CURRENT APPLICATION NUMBER: US/09/876,204
 ; CURRENT FILING DATE: 2001-06-06
 ; PRIOR APPLICATION NUMBER: 09/166,028
 ; PRIOR FILING DATE: 1998-10-05
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 5
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Rattus norvegicus
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21

Query Match 35.7%; Score 40; DB 9; Length 20;

Qy 2 IDGRGAEVHGNGGP 16

RESULT 6

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Db      :||| | :||| |
      1 MDGSD--HGGGP 13
Qy      3 DGRGAEVHIGNGGPC 17
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Db      4 EGCGVAVGVGGPC 18

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RESULT 8

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US-10-062-548-119
; Sequence 119, Application US/10062548
; Publication No. US20030096982A1.
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: PZ024P1
; CURRENT APPLICATION NUMBER: US/10/062,548
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/169,247
; PRIOR FILING DATE: 1999-08-05
; PRIOR APPLICATION NUMBER: 60/074,118
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,137
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,341
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,141
; PRIOR FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-062-548-119

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Query Match 33.0%; Score 37; DB 14; Length 16;
Best Local Similarity 46.2%; Pred. No. 1.6e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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Qy      4 GRGAEVHIGNGGPC 16
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Db      1 GTSPPEAYVGGGP 13

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RESULT 7

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US-09-764-163-2
; Sequence 2, Application US/09764163
; Publication No. US20030165825A1
; GENERAL INFORMATION:
; APPLICANT: Panorama Research, Inc.
; APPLICANT: BALINT, Robert F.
; APPLICANT: HER, Jeng-Horng
; TITLE OF INVENTION: INTERACTION-ACTIVATED PROTEINS
; FILE REFERENCE: PARE-002-0201US
; CURRENT APPLICATION NUMBER: US/09/764,163
; CURRENT FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/175,968
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: 09/526,126
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: library
US-09-764-163-2

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Query Match 33.0%; Score 37; DB 10; Length 18;
Best Local Similarity 46.7%; Pred. No. 1.8e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

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Qy      3 DGRGAEVHIGNGGPC 17
      :||| | :|||
Db      4 EGCGVAVGVGGPC 18

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RESULT 9

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US-09-876-204-4
; Sequence 4, Application US/09876204
; Patent No. US20020052316A1
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; TITLE OF INVENTION: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/876,204
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/166,028
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-876-204-4

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Query Match 32.1%; Score 36; DB 9; Length 20;
Best Local Similarity 46.7%; Pred. No. 2.8e+12;
Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

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Qy      2 IDGRGAEVHIGNGGP 16
      :||| : :|||

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Db 1 MDGSSEQ--LGSGGP 13

RESULT 10
US-10-280-056-467
; Sequence 467, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dacova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING PROTEINS
; CURRENT APPLICATION NUMBER: US/10/280,066
; PRIORITY FILING DATE: 2002-10-24
; NUMBER OF SEQ ID NOS: 537
; OTHER INFORMATION: PatentIn version 3.1
; SEQ ID NO 467
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: FGFR1b-20R-B1
; US-10-280-056-467

Query Match 32.1%; Score 36; DB 14; Length 20;
Best Local Similarity 46.7%; Pred. No. 2.8e+02; Indels 6; Gaps 0;

Qy 5 RGAEVHIGGGPCLF 19
Db 1 RGCYTEALGGACLF 15

RESULT 11
US-09-852-910-113
; Sequence 113, Application US/09852910
; Publication No. US20030056297A1
; GENERAL INFORMATION:
; APPLICANT: Hamm, Heidi
; APPLICANT: Gilchrist, Annette
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S
; FILE REFERENCE: 2661-101
; CURRENT APPLICATION NUMBER: US/09/852,910
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/275,472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION (1)-(13)
; OTHER INFORMATION: G alpha i R minigene peptide
; US-09-852-910-113

Query Match 29.5%; Score 33; DB 10; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02; Indels 2; Gaps 0;

Qy 11 IGNGGPCLF 19
Db 1 MGNGIKCLF 9

RESULT 12
US-10-373-540-17
; Sequence 17, Application US/10373540
; Publication No. US20030162258A1
; GENERAL INFORMATION:
; APPLICANT: HAMM, Heidi
; APPLICANT: GILCHRIST, Annette
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THEM
; FILE REFERENCE: 0290-29 (NU 9903)
; CURRENT APPLICATION NUMBER: US/10/373,540
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US/09/489,156
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
; US-10-373-540-17

Query Match 29.5%; Score 33; DB 14; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02; Indels 0; Gaps 0;

Qy 11 IGNGGPCLF 19
Db 1 MGNGIKCLF 9

RESULT 13
US-10-411-336A-113
; Sequence 113, Application US/10411336A
; Publication No. US2004018558A1
; GENERAL INFORMATION:
; APPLICANT: HAMM, HEIDI
; APPLICANT: GILCHRIST, ANNETTE
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR S
; FILE REFERENCE: 2661-112
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US 09/852910
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/275472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 273
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R minigene peptide
; US-10-411-336A-113

Query Match 29.5%; Score 33; DB 15; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02; Indels 2; Gaps 0;

Qy 11 IGNGGPCLF 19
Db 1 MGNGIKCLF 9

RESULT 14
US-10-732-345-20
; sequence 20, Application US/10732345

Publication No. US20040214331A1
 GENERAL INFORMATION:
 APPLICANT: FRAZER, IAN
 TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE
 FILE REFERENCE: 065064/0137
 CURRENT FILING DATE: 2003-12-11
 PRIOR APPLICATION NUMBER: 08/185, 928
 PRIOR APPLICATION NUMBER: PCT/AU92/02184
 PRIOR FILING DATE: 1994-01-19
 PRIOR APPLICATION NUMBER: 1992-07-20
 PRIOR FILING DATE: 1992-07-19
 PRIOR FILING DATE: 1991-07-19
 NUMBER OF SEQ ID NOs: 66
 SEQ ID NO 20
 LENGTH: 15
 TYPE: PRY
 ORGANISM: Human papillomavirus type 16
 us-10-732-345-20

Query Match 29.5%; Score 33; DB 17; Length 15;
 Best Local Similarity 62.5%; Pred. No. 5.8e+02;
 Matches 5; Conservative 0; Mismatches 3; Indels 0;
 Gaps 0;

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  Qy  10 HIGNGGPC 17
      ||| |
  Db   4 HWGKGSPC 11
  
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RESULT 15
 US-09-908-322-32
 Sequence 32, Application US/0908322
 Patent No. US20020107194A1
 GENERAL INFORMATION:
 APPLICANT: Ish-Horowicz, David
 Enrique, Domingos Manuel Pinto
 Lewis, Julian Hart
 Artavanis-Tsakonas, Spyridon
 Gray, Grace

TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
 NUMBER OF SEQUENCES: 94
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: NY
 COUNTRY: USA
 ZIP: 10036/2711

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/908, 322
 FILING DATE: 17-Jul-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/981, 392
 FILING DATE: 22-Dec-1997

ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S Leslie
 REGISTRATION NUMBER: 18, 872
 REFERENCE/DOCKET NUMBER: 7326-123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-790-9090
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 32:
 SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids
 TYPE: amino acid
 STRANDEDNESS: <Unknown>
 TOPOLOGY: unknown
 MOLECULE TYPE: Peptide
 SEQUENCE DESCRIPTION: SEQ ID NO: 32:
 US-09-908-322-32

Query Match 29.5%; Score 33; DB 9; Length 16;
 Best Local Similarity 50.0%; Pred. No. 6.2e+02;
 Matches 7; Conservative 1; Mismatches 6; Indels 0;
 Gaps 0;

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  Qy  5 RGAEVHIGNGGPC 18
      ||| |
  Db   3 RGMQVQSGLAGEVL 16
  
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Search completed: January 26, 2005, 00:51:39
 Job time : 56.6 secs

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-12
Perfect score: 112
Sequence: 1 TIDGRGAEVHIGNGPCLEM 20

Scoring table: BL05M62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Issued_Patents_AA:
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4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep;*
5: /cgn2_6/ptodata/1/iaa/PICTUS_COMB.pep;*
6: /cgn2_6/ptodata/1/iaa/bckfiles1.pep;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	92	82.1	20	3 US-08-467-023-35	Sequence 35, App1
2	70	62.5	15	4 US-09-142-524D-34	Sequence 34, App1
3	68	60.7	15	4 US-09-142-524D-33	Sequence 33, App1
4	52	46.4	15	4 US-09-142-524D-35	Sequence 35, App1
5	52	46.4	20	3 US-08-467-023-36	Sequence 36, App1
6	40	35.7	15	4 US-09-142-524D-32	Sequence 32, App1
7	40	35.7	20	3 US-08-467-023-34	Sequence 34, App1
8	40	35.7	20	3 US-09-166-028-5	Sequence 5, App1
9	33	33.0	16	4 US-09-361-247-119	Sequence 119, App1
10	36	32.1	15	3 US-08-654-623-71	Sequence 71, App1
11	36	32.1	20	3 US-09-166-028-4	Sequence 4, App1
12	33	29.5	13	4 US-09-489-156-17	Sequence 17, App1
13	33	29.5	15	4 US-09-947-372A-20	Sequence 20, App1
14	33	29.5	16	3 US-08-981-392-32	Sequence 32, App1
15	33	29.5	16	4 US-09-908-322-32	Sequence 32, App1
16	33	29.5	19	1 US-08-290-448A-49	Sequence 49, App1
17	33	29.5	19	1 US-08-290-448A-49	Sequence 49, App1
18	33	29.5	19	1 US-08-175-069A-49	Sequence 49, App1
19	33	29.5	19	3 US-08-461-939B-49	Sequence 49, App1
20	33	29.5	19	3 US-08-464-000-49	Sequence 49, App1
21	33	29.5	20	1 US-07-678-974D-13	Sequence 18, App1
22	33	29.5	16	3 US-08-941-168-18	Sequence 71, App1
23	32	28.6	16	3 US-08-802-981-71	Sequence 49, App1
24	31.5	28.1	14	1 US-08-678-552A-1	Sequence 1, App1
25	31.5	28.1	14	2 US-08-678-039-1	Sequence 1, App1
26	31	27.7	9	3 US-08-946-525-4	Sequence 4, App1
27	31	27.7	9	4 US-09-599-286-4	Sequence 4, App1

ALIGNMENTS

RESULT 1
US-08-467-023-35
; Sequence 35, Application US/0846707023
; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Young, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; ZIP: 02454

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,725
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-5941
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-35
 Query Match Score 92; DB 3; Length 20;
 Best Local Similarity 75.0%; Pred. No. 4.e-07;
 Matches 15; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 TIDGRGAETHIGNGGPCLFM 20
 Db 1 TFDGRGAQYVNGGPCLFV 20

RESULT 2
 US-09-142-524D-34
 ; Sequence 34, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 34
 ; LENGTH: 15
 ; TYPE: PRP
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120

Query Match Score 70; DB 4; Length 15;
 Best Local Similarity 73.3%; Pred. No. 0.00056;
 Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
 Qy 6 GAEVHIGNGGPCLFM 20
 Db 1 GAQVYVNGGPCLFV 15

Query Match Score 70; DB 4; Length 15;
 Best Local Similarity 73.3%; Pred. No. 0.00056;
 Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GAEVHIGNGGPCLFM 20
 Db 1 GAQVYVNGGPCLFV 15

RESULT 3
 US-09-142-524D-33
 ; Sequence 33, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 33
 ; LENGTH: 15
 ; TYPE: PRP
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

Query Match Score 68; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.0011;
 Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 TIDGRGAETHIGNGG 15
 Db 1 TFDGRGAQYVNGG 15

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 19
 US-09-142-524D-33

Query Match Score 60.7%; Score 68; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.0011;
 Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TIDGRGAETHIGNGG 15
 Db 1 TFDGRGAQYVNGG 15

RESULT 4
 US-09-142-524D-35
 ; Sequence 35, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 35
 ; LENGTH: 15
 ; TYPE: PRP
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21

Query Match Score 52; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.25;
 Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IGNGGPCLFM 20
 Db 1 IGNGGPCVFI 10

RESULT 5
 US-08-467-023-36
 ; Sequence 36, Application US/08467023
 ; Patent No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeng, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-36

Query Match 46.4%; Score 52; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.33; 2; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IENGGPCLEM 20
 Db 1 IENGGPCVYI 10

RESULT 6
 US-09-142-524D-32
 Sequence 32, Application US/09142524D
 Patent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Tohio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 32
 LENGTH: 15
 TYPE: PRY
 ORGANISM: Cryptomeria japonica
 FEATURE:
 LOCATION: (1) (15)_
 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18

US-09-142-524D-32

Query Match 35.7%; Score 40; DB 4; Length 15;
 Best Local Similarity 70.0%; Pred. No. 14; 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TIDGRGAEVH 10
 Db 6 TFDGRGAQVY 15

RESULT 7
 US-08-467-023-34
 Sequence 34, Application US/08467023
 Patent No. 6030386
 GENERAL INFORMATION:
 APPLICANT: Griffeth, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D.;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yenug, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 TITLE OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02454
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-5941
 TELEX/FAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 34:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-34

Query Match 35.7%; Score 40; DB 3; Length 20;
 Best Local Similarity 70.0%; Pred. No. 19; 2; Mismatches 7; Conservative Matches 7; Gapless 0; Gaps 0;

Qy 1 TIDGRGAEVH 10
 Db 11 TFDGRGAQVY 20

RESULT 8
 US-09-16-028-5
 Sequence 5, Application US/09166028
 Patent No. 6245885
 GENERAL INFORMATION:
 APPLICANT: Gordon C. Shore et al.
 TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
 TITLE OF INVENTION: REAGENTS AND METHODS
 FILE REFERENCE: 50013/011001
 CURRENT APPLICATION NUMBER: US/09/166,028
 CURRENT FILING DATE: 1998-10-05

NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-166-028-5

Query Match Score 40. DB 3; Length 20;
Best Local Similarity 53.3%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

Qy 2 IDGRGAEVHIGNGGP 16
Db 1 MDGSD--HUGGGP 13

RESULT 9
US-09-369-247-119
; Sequence 11.9 Application US/09369247

GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: PZ044PL
; CURRENT APPLICATION NUMBER: US/09/369,247
; CURRENT FILING DATE: 1999-08-05
; EARLIER APPLICATION NUMBER: 60/074,118
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,157
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,137
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,341
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,141
; EARLIER FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-369-247-119

Query Match Score 37; DB 4; Length 16;
Best Local Similarity 46.2%; Pred. No. 42;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GRGAEVHIGNGGP 16
Db 1 GTSPPEAYVGGGP 13

RESULT 10
US-08-654-623-71
; Sequence 71, Application US/08654623
; Patent No. 6010884
GENERAL INFORMATION:
; APPLICANT: Griffiths, Andrew D
; APPLICANT: Holliger, Kaspar-Philipp
; APPLICANT: Nissim, Ahuva
; APPLICANT: Fisch, Igor
; APPLICANT: Winter, Gregory P
; TITLE OF INVENTION: Recombinant Binding Proteins and Peptides
; NUMBER OF SEQUENCES: 71
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/654,623
FILING DATE: 29-MAY-1996
CLASSIFICATION: 435
CLASSIFICATION: (C12N 1/21, C12R 1:19)
PRIORITY DATA:
PRIORITY DATA:
APPLICATION NUMBER: GB 9225453.1
FILING DATE: 04-DEC-1992
PRIORITY DATA:
APPLICATION NUMBER: GB 9300816.7
FILING DATE: 16-JAN-1993
PRIORITY DATA:
APPLICATION NUMBER: EP 93303614.7
FILING DATE: 10-MAY-1993
PRIORITY DATA:
APPLICATION NUMBER: GB 9319969.3
FILING DATE: 22-SEP-1993
PRIORITY DATA:
APPLICATION NUMBER: PCT/GB93/02492
FILING DATE: 03-DEC-1993
PRIORITY DATA:
APPLICATION NUMBER: GB 9412147.2
FILING DATE: 17-JUN-1994
PRIORITY DATA:
APPLICATION NUMBER: PCT/GB94/02662
FILING DATE: 05-DEC-1994
PRIORITY DATA:
APPLICATION NUMBER: US 08/448,418
FILING DATE: 02-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE DOCKET NUMBER: 28111/33259
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-654-623-71

Query Match Score 32.1%;
Best Local Similarity 40.0%; Pred. No. 56;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 4 GRGAEVHIGNGGPCL 18
Db 1 GGGGSIVNGGGSSAL 15

RESULT 11
US-09-166-028-4
; Sequence 4, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT

; ORGANISM: Mus musculus
 US-09-166-028-4

Query Match Score 36; DB 3; Length 20;
 Best Local Similarity 32.1%; Pred. No. 75;
 Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

Db 4 HWKGSPC 11

RESULT 14
 US-09-189-156-17 Application US/08981392
 Sequence 32, Application US/08981392
 ; Patent No. 6262025
 ; GENERAL INFORMATION:
 ; APPLICANT: Ish-Horowicz, David
 ; APPLICANT: Henrique, Domingos Manuel Pinto
 ; APPLICANT: Lewis, Julian Hart
 ; APPLICANT: Artavanis-Tsakonas, Spyridon
 ; APPLICANT: Gray, Grace
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES
 ; OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON
 ; NUMBER OF SEQUENCES: 94
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 10016-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FASTSEQ Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/981,392
 ; FILING DATE: 22-DEC-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Antler, Adriane M.
 ; REGISTRATION NUMBER: 32,605
 ; REFERENCE/DOCKET NUMBER: 7326-038
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-790-9090
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 32:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 16 amino acids
 ; STRANDEDNESS:
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: peptide
 ; US-08-981-392-32

Query Match Score 33; DB 4; Length 13;
 Best Local Similarity 29.5%; Pred. No. 1.3e+02;
 Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Db 1 MGNGSPCLP 9

RESULT 13
 US-09-947-372A-20 Application US/09947372A
 Sequence 22, Application US/09947372A
 ; Patent No. 6613557
 ; GENERAL INFORMATION:
 ; APPLICANT: FRAZER, TAN
 ; APPLICANT: ZHOU, JIAN
 ; TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE
 ; FILE REFERENCE: 065364/0137
 ; CURRENT APPLICATION NUMBER: US/09/947,372A
 ; CURRENT FILING DATE: 2001-09-07
 ; PRIOR APPLICATION NUMBER: 08/185,928
 ; PRIOR FILING DATE: 1994-01-19
 ; PRIOR APPLICATION NUMBER: PCT/AU92/02184
 ; PRIOR FILING DATE: 1992-07-20
 ; PRIOR APPLICATION NUMBER: AU PK7322
 ; NUMBER OF SEQ ID NOS: 66
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 20
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Human papillomavirus type 16
 ; US-09-947-372A-20

Query Match Score 33; DB 4; Length 15;
 Best Local Similarity 29.5%; Pred. No. 1.5e+02;
 Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Db 10 HIGNCGPC 17

RESULT 15
 US-09-908-322-32 Application US/09908322
 Sequence 32, Application US/09908322
 ; Patent No. 6789356
 ; GENERAL INFORMATION:
 ; APPLICANT: Ish-Horowicz, David
 ; APPLICANT: Henrique, Domingos Manuel Pinto
 ; APPLICANT: Lewis, Julian Hart
 ; APPLICANT: Artavanis-Tsakonas, Spyridon
 ; APPLICANT: Gray, Grace
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES
 ; OF VERTEBRATE DELTA GENE AND METHODS BASED THEREON
 ; NUMBER OF SEQUENCES: 94
 ; CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York

STATE: NY
COUNTRY: USA
ZIP: 10016/2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS
SOFTWARE: Fast-SEQ Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/908,322
FILING DATE: 17-JUL-2001

CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/981,392

FILING DATE: 22-DEC-1997
ATTORNEY/AGENT INFORMATION:

NAME: Mierock, S Leslie
REGISTRATION NUMBER: 18,872

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090

TELEFAX: 212-69-8864
INFORMATION FOR SEQ ID NO: 32:

SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids

TYPE: amino acid
STRANDEDNESS: <Unknown>

TOPOLOGY: unknown
MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-908-322-32

Query Match Score 33; DB 4; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 5 RGAEVHIGNGPCL 18

Db 3 RGMVQSGLAGPVL 16

Search completed: January 26, 2005, 00:05:15
Job time : 17.9 secs

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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

Scoring table: BLOSUM62

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 IGNGPCLFMRTVSHVILHG 20

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
 1: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep.*
 2: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep.*
 3: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep.*
 4: /cgn2_6/ptodata/1/pubpa/US07_NEW_PUB_PEP.*
 5: /cgn2_6/ptodata/1/pubpa/US07_PUBCOMB.pep.*
 6: /cgn2_6/ptodata/1/pubpa/US08_PUB_PEP.*
 7: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB.pep.*
 8: /cgn2_6/ptodata/1/pubpa/US08_PUBCOMB.pep.*
 9: /cgn2_6/ptodata/1/pubpa/US09_PUBCOMB.pep.*
 10: /cgn2_6/ptodata/1/pubpa/US09B_PUBCOMB.pep.*
 11: /cgn2_6/ptodata/1/pubpa/US09C_PUBCOMB.pep.*
 12: /cgn2_6/ptodata/1/pubpa/US09_NEW_PUB_PEP.*
 13: /cgn2_6/ptodata/1/pubpa/US10A_PUBCOMB.pep.*
 14: /cgn2_6/ptodata/1/pubpa/US10B_PUBCOMB.pep.*
 15: /cgn2_6/ptodata/1/pubpa/US10C_PUBCOMB.pep.*
 16: /cgn2_6/ptodata/1/pubpa/US10D_PUBCOMB.pep.*
 17: /cgn2_6/ptodata/1/pubpa/US10_NEW_PUB_PEP.*
 18: /cgn2_6/ptodata/1/pubpa/US11_NEW_PUB_PEP.*
 19: /cgn2_6/ptodata/1/pubpa/US60_NEW_PUB_PEP.*
 20: /cgn2_6/ptodata/1/pubpa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	62	55.9	15	14 US-10-354-240-35 Sequence 35, App1
2	58	52.3	15	14 US-10-354-240-36 Sequence 36, App1
3	58	52.3	15	14 US-10-354-240-159 Sequence 159, App
4	58	52.3	15	14 US-10-354-240-163 Sequence 163, App
5	52	46.8	14	14 US-10-354-240-169 Sequence 169, App
6	52	46.8	15	14 US-10-354-240-34 Sequence 34, App1
7	45.9	39.6	13	14 US-10-354-240-164 Sequence 164, App
8	44	39.6	12	14 US-10-354-240-170 Sequence 170, App
9	42	37.8	12	14 US-10-354-240-171 Sequence 171, App
10	42	37.8	13	14 US-10-354-240-13 Sequence 13, App1
11	42	37.8	13	14 US-10-354-240-165 Sequence 165, App
12	42	37.8	13	14 US-10-354-240-174 Sequence 174, App
13	41	36.9	12	14 US-10-354-240-166 Sequence 166, App

Query Match Score 55.9%; Best Local Similarity 66.7%; Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IGNGPCLFMRTVSHVILHG 15

ALIGNMENTS

RESULT 1
 US-10-354-240-35 ; Application US10354240
 ; Publication No. US20030185847A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; Kume, Akinori
 ; Dairiki, Kazuo
 ; Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103D1
 ; CURRENT APPLICATION NUMBER: US10/354,240
 ; CURRENT FILING DATE: 2003-01-29
 ; PRIORITY APPLICATION NUMBER: PCT/JP97/0040
 ; PRIORITY FILING DATE: 1997-03-10
 ; PRIORITY APPLICATION NUMBER: US 09/142,524
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 35
 LENGTH: 15
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MTSC FEATURE
 LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21
 US-10-354-240-35

Db 1 IGGGPCVFIKRVSN 15

RESULT 2
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY NUMBER: PCT/JP97/007440
; PRIOR FILING DATE: 1997-03-10
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; SEQ ID NO: 36
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 22
; US-10-354-240-36

Query Match 6 PCLFMRTVSHVLHG 20
Best Local Similarity 52.3%; Score 56; DB 14; Length 15;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVLHG 20
Db 1 PCVFIKRVSNVTHG 15

RESULT 3
US-10-354-240-159
; Sequence 159, Application US/10354240
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY NUMBER: PCT/JP97/007440
; PRIOR FILING DATE: 1997-03-10
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; SEQ ID NO: 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Figure 7, Row b
; US-10-354-240-159

Query Match 52.3%; Score 58; DB 14; Length 15;

Best Local Similarity 60.0%; Score 58; DB 14; Length 15;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVLHG 20
Db 1 PCVFIKRVSNVTHG 15

RESULT 4
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY NUMBER: PCT/JP97/007440
; PRIOR FILING DATE: 1997-03-10
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; SEQ ID NO: 174
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; SEQ ID NO: 163
; LENGTH: 15
; OTHER INFORMATION: PatentIn version 3.1
; OTHER INFORMATION: Figure 15, p22-1.
; US-10-354-240-163

Query Match 52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Score 58; DB 14; Length 15;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVLHG 20
Db 1 PCVFIKRVSNVTHG 15

RESULT 5
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY NUMBER: PCT/JP97/007440
; PRIOR FILING DATE: 1997-03-10
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; SEQ ID NO: 169
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Figure 7, Row b
; US-10-354-240-159

Query Match 52.3%; Score 58; DB 14; Length 15;

Best Local Similarity 60.0%; Score 58; DB 14; Length 15;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVLHG 20
Db 1 PCVFIKRVSNVTHG 15

RESULT 6
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIORITY NUMBER: PCT/JP97/007440
; PRIOR FILING DATE: 1997-03-10
; PRIORITY NUMBER: US 09/142,524
; PRIORITY NUMBER: US 09/142,524
; SEQ ID NO: 174
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-7.

Query Match 52.3%; Score 58; DB 14; Length 15;

US-10-354-240-169
 Query Match Score 52; DB 14; Length 14;
 Best Local Similarity 46.8%; Prod. No. 0.33;
 Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Organism: Cryptomeria japonica
 Feature: MISC FEATURE
 Name/Key: OTHER INFORMATION: Figure 15, p22-2.
 US-10-354-240-164
 Query Match Score 51; DB 14; Length 14;
 Best Local Similarity 45.9%; Prod. No. 0.76;
 Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 PCLEMRTVSHVILH 19
 Db 1 PCVFIKRVSNVIH 14
 Result 6
 Sequence 34, Application US/10354240
 Publication No. US20030185847A1
 General Information:
 Applicant: Sone, Toshio
 Applicant: Kume, Akinori
 Applicant: Dairiki, Kazuo
 Applicant: Iwama, Akiko
 Applicant: Kino, Kohsuke
 Title of Invention: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 File Reference: SPO-103D1
 Current Application Number: US/10/354,240
 Prior Application Number: PCT/JP97/00740
 Current Filing Date: 2003-01-29
 Prior Application Number: US 09/142,524
 Prior Filing Date: 1997-03-10
 Prior Application Number: US 09/142,524
 Prior Filing Date: 1998-09-09
 Number of SEQ ID NOS: 174
 Software: PatentIn version 3.1
 Seq ID NO 34
 LENGTH: 15
 Type: PRT
 Organism: Cryptomeria japonica
 Feature: MISC FEATURE
 Name/Key: OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
 Location: (1) - (15)
 US-10-354-240-34
 Query Match Score 52; DB 14; Length 15;
 Best Local Similarity 46.8%; Prod. No. 0.77;
 Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Organism: Cryptomeria japonica
 Feature: MISC FEATURE
 Name/Key: OTHER INFORMATION: Figure 15, p22-8.
 US-10-354-240-170
 Query Match Score 44; DB 14; Length 13;
 Best Local Similarity 39.6%; Prod. No. 8.2%;
 Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 PCLEMRTVSHVILH 19
 Db 1 PCVFIKRVSNVIH 14
 Result 8
 Sequence 170, Application US/10354240
 Publication No. US20030185847A1
 General Information:
 Applicant: Sone, Toshio
 Applicant: Kume, Akinori
 Applicant: Dairiki, Kazuo
 Applicant: Iwama, Akiko
 Applicant: Kino, Kohsuke
 Title of Invention: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 File Reference: SPO-103D1
 Current Application Number: US/10/354,240
 Prior Application Number: PCT/JP97/00740
 Current Filing Date: 2003-01-29
 Prior Application Number: PCT/JP97/00740
 Prior Filing Date: 1997-03-10
 Prior Application Number: US 09/142,524
 Prior Filing Date: 1998-09-09
 Number of SEQ ID NOS: 174
 Software: PatentIn version 3.1
 Length: 14
 Type: PRT
 Organism: Cryptomeria japonica
 Feature: MISC FEATURE
 Name/Key: OTHER INFORMATION: Figure 15, p22-8.
 US-10-354-240-171
 Query Match Score 44; DB 14; Length 13;
 Best Local Similarity 39.6%; Prod. No. 8.2%;
 Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 PCLEMRTVSHVILH 19
 Db 1 PCVFIKRVSNVIH 14
 Result 9
 Sequence 171, Application US/10354240
 Publication No. US20030185847A1
 General Information:
 Applicant: Sone, Toshio
 Applicant: Kume, Akinori
 Applicant: Dairiki, Kazuo
 Applicant: Iwama, Akiko
 Applicant: Kino, Kohsuke
 Title of Invention: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 File Reference: SPO-103D1
 Current Application Number: US/10/354,240
 Prior Application Number: PCT/JP97/00740
 Current Filing Date: 2003-01-29
 Prior Application Number: PCT/JP97/00740
 Prior Filing Date: 1997-03-10
 Prior Application Number: US 09/142,524
 Prior Filing Date: 1998-09-09
 Number of SEQ ID NOS: 174
 Software: PatentIn version 3.1
 Length: 14
 Type: PRT

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; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171

Query Match 37.8%; Score 42; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 15;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Qy 6 PCLEMRTVSHVI 17
Db 1 PCVFIKRVSIVNI 12

RESULT 10
US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
US-10-354-240-13

Query Match 37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 8 LFMRTVSHVLHG 20
Db 1 VFIRKRVSNVIIHG 13

RESULT 11
US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 8 LFMRTVSHVLHG 20
Db 1 VFIRKRVSNVIIHG 13

RESULT 12
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
SEQ ID NO 174
LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match 37.8%; Score 42; DB 14; Length 14;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 8 LFMRTVSHVLHG 20
Db 1 VFIRKRVSNVIIHG 13

RESULT 13
US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1

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; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match      36.9%;  Score 41;  DB 14;  Length 12;
Best Local Similarity 58.3%;  Pred. No. 22;
Matches 7; Conservative 4;  Mismatches 1;  Indels 0;  Gaps 0;

Qy   9  FMRTVSHYLHG 20
    |: |:|:|:|
Db   1  FIRKVSNTIHG 12

RESULT 14
US-10-354-240-172
; Sequence 172, Application US/10354240
; GENERAL INFORMATION:
; FILE REFERENCE: SPO-103D1
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 172
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match      34.2%;  Score 38;  DB 14;  Length 11;
Best Local Similarity 54.5%;  Pred. No. 57;
Matches 6; Conservative 4;  Mismatches 1;  Indels 0;  Gaps 0;

Qy   6  PCLFMRTVSHV 16
    |:|:|:|:|
Db   1  PCVFIRKRVSNV 11

RESULT 15
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 172
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-12.
US-10-354-240-167

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Gencore version 5.1.6

OM protein - protein search, using SW model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds

(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 11.1

Sequence: 1 IGNGPCLFMRTVSHVILHG 20

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched:

478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters:

187706

Minimum DB seq length: 0
Maximum DB seq length: 20Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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- 2: /cgcn_6/.ptodata/1/iaa/5B_COMBO.PEP;*
- 3: /cgcn_6/.ptodata/1/iaa/6A_COMBO.PEP;*
- 4: /cgcn_6/.ptodata/1/iaa/6B_COMBO.PEP;*
- 5: /cgcn_6/.ptodata/1/iaa/PICTUS_COMBO.PEP;*
- 6: /cgcn_6/.ptodata/1/iaa/BCKETFILE1.PEP;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	86	77.5	20	3	US-09-467	023-36	Sequence 36, App1
2	62	55.9	15	4	US-09-142	524D-35	Sequence 35, App1
3	58	52.3	15	4	US-09-142	524D-36	Sequence 36, App1
4	58	52.3	15	4	US-09-142	524D-159	Sequence 159, App1
5	58	52.3	15	4	US-09-142	524D-163	Sequence 163, App1
6	52	46.8	14	4	US-09-142	524D-169	Sequence 169, App1
7	52	46.8	15	4	US-09-142	524D-34	Sequence 34, App1
8	52	46.8	20	3	US-09-142	524D-35	Sequence 35, App1
9	51	45.9	14	4	US-09-142	524D-164	Sequence 164, App1
10	44	39.6	13	4	US-09-142	524D-170	Sequence 170, App1
11	42	37.8	12	4	US-09-142	524D-171	Sequence 171, App1
12	42	37.8	13	4	US-09-142	524D-13	Sequence 13, App1
13	42	37.8	13	4	US-09-142	524D-165	Sequence 165, App1
14	42	37.8	13	4	US-09-142	524D-174	Sequence 174, App1
15	41	36.9	12	4	US-09-142	524D-166	Sequence 166, App1
16	38	34.2	11	4	US-09-142	524D-172	Sequence 172, App1
17	35	31.5	11	4	US-09-142	524D-167	Sequence 167, App1
18	34	30.6	10	4	US-09-142	524D-168	Sequence 168, App1
19	34	30.6	10	4	US-09-142	524D-173	Sequence 173, App1
20	34	30.6	15	4	US-09-142	524D-37	Sequence 37, App1
21	34	30.6	20	3	US-09-142	524D-37	Sequence 37, App1
22	33	29.7	13	4	US-09-142	524D-177	Sequence 177, App1
23	33	29.7	18	3	US-09-128	344A-76	Sequence 76, App1
24	33	29.7	18	3	US-09-128	344A-197	Sequence 197, App1
25	32	28.8	16	3	US-09-128	344A-64	Sequence 64, App1
26	32	28.8	16	3	US-09-128	344A-189	Sequence 189, App1
27	32	28.8	18	3	US-09-128	344A-70	Sequence 70, App1

ALIGNMENTS

RESULT 1
US-08-467-023-36
; Sequence 36, Application US/08467023
; Patent No. 600386

; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei Chang;
; APPLICANT: Young, Szu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02454

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7000
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; FRAGMENT TYPE: internal

US-08-467-023-36
 Query Match 77.5%; Score 86; DB 3; Length 20;
 Best Local Similarity 70.0%; Pred. No. 1.2e-06;
 Matches 14; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 IGNGGPCLPMLRTVSHVILHG 20
 Db 1 IGNGGPCLPMLRTVSHVILHG 20

RESULT 2
 US-09-142-524D-35
 ; Sequence 35, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 35
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21
 US-09-142-524D-35

Query Match 55.9%; Score 62; DB 4; Length 15;
 Best Local Similarity 66.7%; Pred. No. 0.004;
 Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 IGNGGPCLPMLRTVSH 15
 Db 1 IGNGGPCLPMLRTVSH 15

RESULT 3
 US-09-142-524D-36
 ; Sequence 36, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 36
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
 US-09-142-524D-36
 ; Query Match 52.3%; Score 58; DB 4; Length 15;
 ; Best Local Similarity 60.0%; Pred. No. 0.016;
 ; Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 PCLFMRRTVSHVILHG 20
 Db 1 PCVFIRKVSNTIHG 15

RESULT 4
 US-09-142-524D-159
 ; Sequence 159, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 159
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Figure 7, Row b
 US-09-142-524D-159

Query Match 52.3%; Score 58; DB 4; Length 15;
 Best Local Similarity 60.0%; Pred. No. 0.016;
 Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 PCLFMRRTVSHVILHG 20
 Db 1 PCVFIRKVSNTIHG 15

RESULT 5
 US-09-142-524D-163
 ; Sequence 163, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 163
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE

OTHER INFORMATION: Figure 15, p22-1.
US-09-142-524D-163

Query Match Score: 52.3%; Score: 58; DB 4; Length: 15;
Best Local Similarity: 60.0%; Pred. No. 0.016; Mismatches: 5; Indels: 1; Gaps: 0;

Qy 6 PCLFMRTRYSHVTLHG 20
Db 1 PCVFIRKRVSNVIIHG 15

RESULT 6
US-09-142-524D-169
Sequence 169, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 169
LENGTH: 14
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-7.

US-09-142-524D-169

Query Match Score: 52.3%; Score: 58; DB 4; Length: 14;
Best Local Similarity: 57.1%; Pred. No. 0.13; Mismatches: 5; Indels: 1; Gaps: 0;

Qy 6 PCLFMRTRYSHVTLH 19
Db 1 PCVFIRKRVSNVIIH 14

RESULT 7
US-09-142-524D-34
Sequence 34, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 34
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-09-142-524D-34

Query Match Score: 52.3%; Score: 58; DB 4; Length: 15;
Best Local Similarity: 80.0%; Pred. No. 0.14; Mismatches: 2; Indels: 0; Gaps: 0;

Qy 1 IGNGGPCLFM 10
Db 6 IGNGPCVFI 15

RESULT 8
US-08-467-023-35
Sequence 35, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Young, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Bailey, Mark A.;
APPLICANT: Powers, Steven P.;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02454
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE DOCKET NUMBER: 025,6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-35

Query Match Score: 52.3%; Score: 58; DB 3; Length: 20;
Best Local Similarity: 80.0%; Pred. No. 0.18; Mismatches: 2; Indels: 0; Gaps: 0;

Qy 1 IGNGGPCLFM 10
Db 11 IGNGPCVFI 20

RESULT 9
US-09-142-524D-164
; Sequence 164, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 164
LENGTH: 14
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164

Query Match 7 CLFMRTVSHVLHG Score 51; DB 4; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.18;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 7 CLFMRTVSHVLHG 20
Db 1 CVFIKRVNVNVIHG 14

RESULT 10
US-09-142-524D-170
; Sequence 170, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 170
LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-8.
US-09-142-524D-170

Query Match 6 PCLFMRTVSHVILHG Score 44; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 2;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 6 PCLFMRTVSHVILHG 18
Db 1 PCVFIKRVNVNVIHG 13

RESULT 11
US-09-142-524D-171
; Sequence 171, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 171
LENGTH: 12
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-9.
US-09-142-524D-171

Query Match 6 PCLFMRTVSHVILHG Score 42; DB 4; Length 12;
Best Local Similarity 58.3%; Pred. No. 3.6;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Qy 6 PCLFMRTVSHVILHG 17
Db 1 PCVFIKRVNSVNI 12

RESULT 12
US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-8.
US-09-142-524D-13

Query Match 8 LFORTVSVLHG Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 8 LFORTVSVLHG 20
Db 1 VFIIKRVNSVIIHG 13

RESULT 13
US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:

```

; APPLICANT: Sone, Toshio ; APPLICANT: Kume, Akinori ; APPLICANT: Dairiki, Kazuo ; APPLICANT: Iwama, Kohsuke ; APPLICANT: Kino, Kohsuke ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/09/142,524D ; FILE REFERENCE: SPO-103 ; CURRENT FILING DATE: 1998-09-09 ; PRIORITY NUMBER: PCT/JP97/00740 ; CURRENT APPLICATION NUMBER: US/09/142,524D ; CURRENT FILING DATE: 1998-09-09 ; PRIORITY NUMBER: PCT/JP97/00740 ; NUMBER OF SEQ ID NOS: 174 ; SEQ ID NO: 165 ; LENGTH: 13 ; TYPE: PRT ; ORGANISM: Cryptomeria japonica ; FEATURE: NAME/KEY: MISC FEATURE ; OTHER INFORMATION: PatentIn version 3.1
; NUMBER OF SEQ ID NOS: 174 ; SEQ ID NO: 166 ; LENGTH: 12 ; TYPE: PRT ; ORGANISM: Cryptomeria japonica ; FEATURE: NAME/KEY: MISC FEATURE ; OTHER INFORMATION: Figure 15, p22-4. ; US-09-142-524D-166

Query Match 36.9%; Score 41; DB 4; Length 12;
Best Local Similarity 58.3%; Pred. No. 5 2;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Qy 9 FMRTVSHVILHG 20
Db 1 FIKRVSNTIHG 12

Search completed: January 26, 2005, 00:05:15
Job time : 16.9 secs

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6713976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Kohsuke
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIORITY NUMBER: PCT/JP97/00740
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
; US-09-142-524D-174

Query Match 37.8%; Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 8 LMRTVSHVILHG 20
Db 1 VFIKRSNTIHG 13

RESULT 15
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6713976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
;
```




```

Db 1 VITHGLHLYGCSTSV 15
Best Local Similarity 60.0%; Pred. No. 49;
Matches 6; Conservative 4; Mismatches 0;
Indels 0; Gaps 0;

RESULT 2
US-10-354-240-37
; Sequence 37, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; SEQ ID NO: 37
; LENGTH: 15
; TYPE: PRF
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1). .(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 23
; US-10-354-240-37

Query Match 1 RTVSHVILGHNHG 15
Score 49; DB 14; Length 15;
Best Local Similarity 53.3%; Pred. No. 0.98;
Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
Indels 0; Gaps 0;

Qy 1 KRVSNVITIIGLHLYG 15
Score 38; DB 14; Length 15;
Best Local Similarity 53.3%; Pred. No. 0.98;
Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
Indels 0; Gaps 0;

Db 1 LTHYGCSTSV 10
Best Local Similarity 60.0%; Pred. No. 49;
Matches 6; Conservative 4; Mismatches 0;
Indels 0; Gaps 0;

RESULT 4
US-10-354-240-168
; Sequence 168, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; SEQ ID NO: 174
; LENGTH: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 168
; LENGTH: 10
; TYPE: PRF
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-6.
; US-10-354-240-168

Query Match 1 RTVSHVILHG 10
Score 34; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.3e+0;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
Score 34; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.3e+0;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Db 1 KRVSNVITIIGLHLYG 10
Best Local Similarity 60.0%; Pred. No. 49;
Matches 6; Conservative 4; Mismatches 0;
Indels 0; Gaps 0;

RESULT 5
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; SEQ ID NO: 167
; LENGTH: 11
; TYPE: PRF
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
; US-10-354-240-39

Query Match 1 RTVSHVILHG 15
Score 38; DB 14; Length 15;
Best Local Similarity 53.3%; Pred. No. 0.98;
Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
Indels 0; Gaps 0;

Qy 1 KRVSNVITIIGLHLYG 15
Score 38; DB 14; Length 15;
Best Local Similarity 53.3%; Pred. No. 0.98;
Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
Indels 0; Gaps 0;

Db 1 LTHYGCSTSV 10
Best Local Similarity 60.0%; Pred. No. 49;
Matches 6; Conservative 4; Mismatches 0;
Indels 0; Gaps 0;

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US-10-354-240-167

Query Match Score 34; DB 14; Length 11;
 Best Local Similarity 60.0%; Pred. No. 1.5e+02; Indels 0; Gaps 0;
 Matches 6; Conservative 3; Mismatches 1;

Qy 1 RTVSHVILHG 10
 Db 2 KRVSNVTHG 11

RESULT 6

US-10-354-240-166

Sequence 166, Application US/10354240
 Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 166
 LENGTH: 12

TYPE: PRT
 ORGANISM: Cryptomeria japonica

FEATURE:
 NAME/KEY: MISC FEATURE
 OTHER INFORMATION: Figure 15, p22-4.

US-10-354-240-166

RESULT 7

US-10-354-240-13

Sequence 13, Application US/10354240
 Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 13
 LENGTH: 13

TYPE: PRT
 ORGANISM: Cryptomeria japonica

US-10-354-240-13

Query Match Score 34; DB 14; Length 13;
 Best Local Similarity 60.0%; Pred. No. 1.8e+02; Indels 1; Gaps 0;
 Matches 6; Conservative 3; Mismatches 1;

Qy 1 RTVSHVILHG 10
 Db 4 KRVSNVTHG 13

RESULT 8

US-10-354-240-165

Sequence 165, Application US/10354240
 Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 165
 LENGTH: 13

TYPE: PRT
 ORGANISM: Cryptomeria japonica

FEATURE:
 NAME/KEY: MISC FEATURE
 OTHER INFORMATION: Figure 15, p22-3.

US-10-354-240-165

RESULT 9

US-10-354-240-174

Sequence 174, Application US/10354240
 Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240
 CURRENT FILING DATE: 2003-01-29
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524
 PRIOR FILING DATE: 1998-09-09
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 174
 LENGTH: 13

TYPE: PRT
 ORGANISM: Cryptomeria japonica

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; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174
Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.8e+02; Indels 0; Gaps 0;
Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 4 KRVSNVTHG 13

RESULT 10
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiro
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 164
; LENGTH: 14
; SOFTWARE: PatentIn version 3.1
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164
Query Match 31.5%; Score 34; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 1.9e+02; Indels 0; Gaps 0;
Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 5 KRVSNVTHG 14

RESULT 11
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiro
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 36
Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02; Indels 0; Gaps 0;
Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 6 KRVSNVTHG 15

RESULT 12
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiro
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Figure 1, Row 22
; Query Match 31.5%; Score 34; DB 14; Length 15;
; Best Local Similarity 60.0%; Pred. No. 2e+02; Indels 0; Gaps 0;
; Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 6 KRVSNVTHG 15

RESULT 13
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiro
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 163
Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02; Indels 0; Gaps 0;
Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 6 KRVSNVTHG 15

RESULT 14
US-10-354-240-162
; Sequence 162, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiro
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354-240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 162
Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02; Indels 0; Gaps 0;
Matches 6; Conservative 3; Mismatches 1;
Qy 1 RTVSHVILHG 10
Db 6 KRVSNVTHG 15

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; PRIORITY APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO: 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
Software: Patentin version 3.1
SEQ ID NO 46
Length: 8
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION:
US-10-449-659-46

RESULT 14
US-10-449-659-46
; Sequence 46, Application US/10449659
; Publication No. US2003029005A1
; GENERAL INFORMATION:
; APPLICANT: Cognosci, Inc.
; APPLICANT: Moss, Marcia Lynn
; APPLICANT: Rasmussen, Fred H.
; APPLICANT: Vitek, Michael P.
; TITLE OF INVENTION: Assays for measuring matrix metalloproteinase activities
; FILE REFERENCE: 56816-5001-US
; CURRENT FILING NUMBER: US/10449,659
; CURRENT FILING DATE: 2003-06-02
; PRIOR APPLICATION NUMBER: US 60/384,135
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin version 3.2
SEQ ID NO 46
Length: 8
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION:
US-10-449-659-46

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
Software: Patentin version 3.2
SEQ ID NO 163
Length: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-10-062-548-143

RESULT 15
US-10-062-548-143
; Sequence 143, Application US/10062548
; Publication No. US2003009698A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/10/062,548
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/369,247
; PRIOR FILING DATE: 1999-08-05
; PRIOR APPLICATION NUMBER: 60/074,118
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,137

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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds (without alignments)

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Title: US-09-202-464-14
Perfect score: 108
Sequence: RTVSHVILHGLNHCNTSV 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

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Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%

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SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	6.9	63.9	20	3	US-09-467-023-37	Sequence 37, App1	COUNTRY: USA ZIP: 02154
2	6.2	57.4	15	4	US-09-142-524D-38	Sequence 38, App1	COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
3	4.9	45.4	15	4	US-09-142-524D-37	Sequence 37, App1	COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
4	3.8	35.2	15	4	US-09-142-524D-39	Sequence 39, App1	SOFTWARE: Patent In Release #1.0, Version #1.25
5	3.5	32.4	18	1	US-09-197-792-12	Sequence 12, App1	CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/467,023
6	3.5	32.4	18	1	US-08-459-850-12	Sequence 12, App1	CLASSIFICATION: 424 PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/350,225
7	3.5	32.4	18	1	US-08-459-214-12	Sequence 12, App1	FILING DATE: December 6, 1994 ATTORNEY/AGENT INFORMATION: NAME: Jane E. Remillard
8	3.5	32.4	20	3	US-08-467-023-38	Sequence 38, App1	REGISTRATION NUMBER: 38,872 REFERENCE/DOCKET NUMBER: 025-6 USD2 (IMI-028CPD2)
9	3.4	31.5	11	4	US-09-142-524D-168	Sequence 168, App1	TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 227-7400
10	3.4	31.5	12	4	US-09-142-524D-167	Sequence 167, App1	TELEFAX: (617) 227-5941
11	3.4	31.5	13	4	US-09-142-524D-166	Sequence 166, App1	INFORMATION FOR SEQ ID NO: 37: SEQUENCE CHARACTERISTICS: LENGTH: 20 amino acids TYPE: amino acid
12	3.4	31.5	13	4	US-09-142-524D-13	Sequence 13, App1	TOPOLOGY: linear MOLECULE TYPE: peptide FRAGMENT TYPE: internal
13	3.4	31.5	13	4	US-09-142-524D-165	Sequence 165, App1	
14	3.4	31.5	13	4	US-09-142-524D-174	Sequence 174, App1	
15	3.4	31.5	14	4	US-09-142-524D-164	Sequence 164, App1	
16	3.4	31.5	15	4	US-09-142-524D-36	Sequence 36, App1	
17	3.4	31.5	15	4	US-09-142-524D-159	Sequence 159, App1	
18	3.4	31.5	15	4	US-09-142-524D-163	Sequence 163, App1	
19	3.4	31.5	20	3	US-09-467-023-16	Sequence 36, App1	
20	3.2	29.6	10	4	US-09-369-247-143	Sequence 143, App1	
21	3.2	29.6	18	3	US-08-847-844A-50	Sequence 50, App1	
22	3.1	28.7	7	3	US-08-142-524D-19	Sequence 19, App1	
23	3.1	28.7	15	3	US-08-142-524D-15	Sequence 5, App1	
24	3.1	28.7	18	2	US-08-747-915-4	Sequence 4, App1	
25	3.1	28.7	18	3	US-08-142-590B-4	Sequence 4, App1	
26	3.1	28.7	18	3	US-08-142-590B-24	Sequence 24, App1	
27	3.1	28.7	18	4	US-09-285-783-4	Sequence 4, App1	

ALIGNMENTS

RESULT 1
US-08-467-023-37
; Sequence 37, Application US/08467023
; Patent No. 609386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J. ;
; APPLICANT: Pollock, Joanne ;
; APPLICANT: Bond, Julian F. ;
; APPLICANT: Garman, Richard D. ;
; APPLICANT: Kuo, Mei-Chang ;
; APPLICANT: Young, Siu-mee H. ;
; APPLICANT: Brauer, Andrew ;
; APPLICANT: Exley, Mark A. ;
; APPLICANT: Powers, Steven P. ;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA

US-08-467-023-37

Query Match	63.9%	Score 69;	DB 3;	Length 20;
Best Local Similarity	60.0%	Pred. No.	0.00026;	
Matches 12;	Conservative 6;	Mismatches 2;	Indels	
Dy	RTVSHVILGLNHNHCNTSV 20			
Db	: : : : : : : : KRVSNVIIHGLYLGCTSV 20			

RESULT 2

US 09-142-524D-38	Sequence 38, Application US/09142524D
Patent No. 6713976	
GENERAL INFORMATION:	
APPLICANT: Sone, Toshio	
APPLICANT: Kume, Akinori	
APPLICANT: Dairiki, Kazuo	
APPLICANT: Iwama, Akiko	
APPLICANT: Kino, Kohsuke	
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for	
FILE REFERENCE: SPO-103	
CURRENT APPLICATION NUMBER: US/09-142-524D	
CURRENT FILING DATE: 1998-09-09	
PRIOR APPLICATION NUMBER: PCT/JP97/00740	
PRIOR FILING DATE: 1997-03-10	
NUMBER OF SEQ ID NOS:	174
SOFTWARE: PatentIn version 3.1	
SEQ ID NO 3 8	LLENGTH: 15

TYPE: PRF
ORGANISM: *Cryptomeria japonica*
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 24

	Query Match	57.4%	Score 62;	DB 4;	Length 15;
	Best Local Similarity	66.7%	Pred. No.	0.00023;	
	Matches	10;	5 Mismatches	0;	Indels
Dy					
DB					
	6 VIIGHLNHGCGTSV	20			
	: : :				
	1 VIIGHLHYGCSTSV	15			

RESULT 3
35-09-142-524D-37
; Sequence 37, Application US/09142524D
; Patent No. 671976
GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIORITY NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
SEQUENCE ID NO.: 174
SCHEMNAME: Data1, Inverson 3 1

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 23
US-09-142-524D-37

Query	RTVSHILKGNING	45.4%	Score 49;	DB 4;	Length 15;
Match	Best Local Similarity	53.3%	Pred. No.	0.24;	
Matches	8; Conservative	6;	Mismatches	1;	Indels 0;

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RESULT 4
US-09-142-524D-39
; Sequence 39, Application US/09142524D

Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori

Dairiki, Kazuo
Iwama, Akiko
Kino, Kohsuke

1 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agg
1 FILE NUMBER: US/09/142,524 D
1 FILE REFERENCE: SPO-103
1 CURRENT APPLICATION NUMBER: US/09/142,524 D

CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10

; NUMBER_OF SEQ_ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ_ID NO 39

; LENGTH: 15
; TYPE: PRT
; ORGANISM: *Cryptomeria japonica*

; FEATURE: MISC_FEATURE
; NAME/KEY: (1)...(15)
; LOCATION: ;

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 25
US-09-142-524D-39

Query	Match	Similarity	Score	DB	Length
Best Local Matches	Conservative	60.0%	35.0%	DB 4;	Pred. No. 12;
6				4;	Mismatches 0;
					Ind.

QY 11 LNTHGCGNTSV 20
|: :|: :||
|: :|: :||

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RESULT: 5
US-08-197-792-12
; Sequence 12, Application US/08197792

Patent No. 3,223,888
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
INVENTOR: Anthony J. Mason
APPLICANT: Anthony J. Mason
INVENTOR: Anthony J. Mason
CITY: Brooklyn
STATE: New York
ZIP: 11201

AFUDCAN: FERULIN. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha
NUCLEIC ACID SEQUENCES: 44
CORRESPONDENCE ADDRESSE:

ADDRESSSEE: Genetech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco

STATE: California
CITY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Geniatech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994

CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 616
 PRIORITY DOCKET NUMBER: 29/P2D4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/952-9881
 TELEX: 910/371-7168
 FAX: 415/952-1896
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-197-792-12

Query Match Similarity 32.4%; Score 35; DB 1; Length 18;
 Best Local Similarity 33.3%; Pred. No. 44; Matches 5; Indels 3; Gaps 0;
 Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy	4 SHVILHGLNTHG 15
Db	3 AHILLHAVRSG 14

RESULT 6
 US-08-459-850-12
 Sequence 12, Application US/08459850
 Patent No. 5665568
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and Method for Synthesizing Polypeptides
 TITLE OF INVENTION: Using such Nucleic Acid
 NUMBER OF SEQUENCES: 44
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459, 850
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/197792
 FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28, 616
 REFERENCE/DOCKET NUMBER: 29/P2D5
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/952-1896
 TELEX: 910/371-7168
 FAX: 415/952-9881
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-459-850-12

Query Match Similarity 32.4%; Score 35; DB 1; Length 18;
 Best Local Similarity 33.3%; Pred. No. 44; Matches 5; Mismatches 3; Indels 0; Gaps 0;

Qy	4 SHVILHGLNTHG 15
Db	3 AHILLHAVRSG 14

RESULT 7
 US-08-459-214-12
 Sequence 12, Application US/08459214
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and Method for Synthesizing Polypeptides
 TITLE OF INVENTION: Using such Nucleic Acid
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459, 214
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/197792
 FILING DATE: 17-FEB-1994
 PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Habak, Janet E.
 REGISTRATION NUMBER: 28, 616
 REFERENCE/DOCKET NUMBER: 297P2D6
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/952-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 SEQUENCE INFORMATION:
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-459-214-12

Query Match 32.4%; Score 35; DB 1; Length 18;
 Best Local Similarity 33.3%; Pred. No. 44; Mismatches 5; Indels 0; Gaps 0;
 Matches 4; Conservative 3;

Qy 4 SHYILHGJNHG 15
 Db 3 AHILLHAYVSG 14

RESULT 8
 US-08-467-023-38
 Sequence 38, Application US/08467023
 Patent No. 6090386

GENERAL INFORMATION
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From
 TITLE OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 ZIP: 02154

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy diskible
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995

CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025, 6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 38:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-38

Query Match 32.4%; Score 35; DB 3; Length 20;
 Best Local Similarity 60.0%; Pred. No. 50; Mismatches 1; Indels 0; Gaps 0;

Qy 11 LNTHGCNTSV 20
 Db 1 LYLYGCSTSV 10

RESULT 9
 US-09-142-524D-168

SEQUENCE 168, Application US/09142524D
 Patent No. 6719976

GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akito
 APPLICANT: Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174
 SEQ ID NO 168
 LENGTH: 10
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 OTHER INFORMATION: Figure 15, p22-6.

US-09-142-524D-168

Query Match 31.5%; Score 34; DB 4; Length 10;
 Best Local Similarity 60.0%; Pred. No. 33; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
 Db 1 KRVSNNVTHG 10

RESULT 10
 US-09-142-524D-167

SEQUENCE 167, Application US/09142524D
 Patent No. 6719976

GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo

APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 167
 LENGTH: 11
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 OTHER INFORMATION: Figure 15, p22-5.
 US-09-142-524D-167

Query Match 1 RTVSHVILHG 10
 Best Local Similarity 60.0%; Pred. No. 36; Mismatches 1; Indels 0; Gaps 0;
 Matches 6; Conservative 3; Score 34; DB 4; Length 11;

Qy 1 RTVSHVILHG 10
 Db 2 KRVSNVIIHG 11

RESULT 11
 US-09-142-524D-166
 Sequence 166, Application US/09142524D
 Patent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D
 CURRENT FILING DATE: 1998-09-09
 PRIOR APPLICATION NUMBER: PCT/JP97/00740
 PRIOR FILING DATE: 1997-03-10
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 165
 LENGTH: 13
 TYPE: PRT
 ORGANISM: Cryptomeria japonica
 FEATURE:
 NAME/KEY: MISC FEATURE
 OTHER INFORMATION: Figure 15, p22-3.
 US-09-142-524D-165

Query Match 1 RTVSHVILHG 10
 Best Local Similarity 60.0%; Pred. No. 44; Mismatches 3; Indels 1; Gaps 0;
 Matches 6; Conservative 3; Score 34; DB 4; Length 13;

Qy 1 RTVSHVILHG 10
 Db 2 KRVSNVIIHG 13

RESULT 12
 US-09-142-524D-13
 Sequence 13, Application US/09142524D
 Patent No. 6719976
 GENERAL INFORMATION:
 APPLICANT: Sone, Toshio
 APPLICANT: Kume, Akinori
 APPLICANT: Dairiki, Kazuo
 APPLICANT: Iwama, Akiko
 APPLICANT: Kino, Kohsuke
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103
 CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SEQ ID NO 174
 ; LENGTH: 13
 ; TYPE: PRP;
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; OTHER INFORMATION: Figures 17 and 18.
 US-09-142-524D-174

Query Match 31.5%; Score 34; DB 4; Length 13;
 Best Local Similarity 60.0%; Pred. No. 44;
 Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 RTVSHVTLIG 10
 Db 4 KRVSNVILG 13

RESULT 15
 US-09-142-524D-164
 ; Sequence 164, Application US/09142524D
 ; Patent No. 6719876
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Tohio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SEQ ID NO 164
 ; SOFTWARE: PatentIn version 3.1
 ; LENGTH: 14
 ; TYPE: PRP;
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; OTHER INFORMATION: Figure 15, p22-2.
 US-09-142-524D-164

Query Match 31.5%; Score 34; DB 4; Length 14;
 Best Local Similarity 60.0%; Pred. No. 48;
 Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 RTVSHVTLIG 10
 Db 5 KRVSNVILG 14

Search completed: January 26, 2005, 00:05:16
 Job time : 17.9 secs

OW protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments) 129.960 Million cell updates/sec

Title: US-09-202-464-16

Perfect score: 99 Sequence: 1 SGNVLISEASGVVPHAQDG 20

Scoring table: BLOSUM62 Gapop 10.0 , Gappext 0.5

Searched: 1608061 seqs, 36129386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0 Maximum DB seq length: 20

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database : Published Applications NA:
 1: /cgn2_6/picodata/1/pubpaas/OS07_PUBCOMB.pep:
 2: /cgn2_6/picodata/1/pubpaas/PCT_NEW_PUB.pep:
 3: /cgn2_6/picodata/1/pubpaas/OS06_NEWPUB.pep:
 4: /cgn2_6/picodata/1/pubpaas/OS06_PUBCOMB.pep:
 5: /cgn2_6/picodata/1/pubpaas/OS07_NEWPUB.pep:
 6: /cgn2_6/picodata/1/pubpaas/PCTGS_PUBCOMB.pep:
 7: /cgn2_6/picodata/1/pubpaas/OS08_NEWPUB.pep:
 8: /cgn2_6/picodata/1/pubpaas/OS08_PUBCOMB.pep:
 9: /cgn2_6/picodata/1/pubpaas/OS09_PUBCOMB.pep:
 10: /cgn2_6/picodata/1/pubpaas/OS09_PUBCOMB.pep:
 11: /cgn2_6/picodata/1/pubpaas/US09C_PUBCOMB.pep:
 12: /cgn2_6/picodata/1/pubpaas/US09C_NEWPUB.pep:
 13: /cgn2_6/picodata/1/pubpaas/US10A_PUBCOMB.pep:
 14: /cgn2_6/picodata/1/pubpaas/US10B_PUBCOMB.pep:
 15: /cgn2_6/picodata/1/pubpaas/US10C_PUBCOMB.pep:
 16: /cgn2_6/picodata/1/pubpaas/US10D_PUBCOMB.pep:
 17: /cgn2_6/picodata/1/pubpaas/US10_NEPUB.pep:
 18: /cgn2_6/picodata/1/pubpaas/US11_NEWPUB.pep:
 19: /cgn2_6/picodata/1/pubpaas/US60_NEWPUB.pep:
 20: /cgn2_6/picodata/1/pubpaas/US60_PUBCOMB.pep:
 RESULT 1 US-10-354-240-42 ; Sequence 42, Application US/10354240 ; Publication No. US20030185347A1 ; GENERAL INFORMATION: ; APPLICANT: Sone, Toshio ; Kume, Akinori ; APPLICANT: Dairiki, Kazuo ; APPLICANT: Iwana, Akiko ; APPLICANT: Kino, Kohsuke ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergy ; FILE REFERENCE: SPO-103D1 ; CURRENT APPLICATION NUMBER: US/10/354,240 ; PRIORITY FILING DATE: 2003-01-29 ; PRIORITY NUMBER: PCT/JP97/00740 ; NUMBER OF SEQ ID NOS: 174 ; SOFTWARE: Patentin version 3.1 ; SEQ ID NO 42 ; LENGTH: 15 ; TYPE: PPT ; ORGANISM: Cryptomeria japonica ; FEATURE: ; NAME/KEY: MISC-FEATURE ; LOCATION: (1)-(15) ; OTHER INFORMATION: Cry1 peptide, Figure 1, Row 28

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	52	52.5	15	14	US-10-354-240-42
2	48	48.5	15	14	US-10-354-240-41
3	43	43.4	15	14	US-10-354-240-43
4	36	36.4	20	9	US-09-813-33-51
5	36	36.4	20	13	US-10-044-703-51
6	36	36.4	20	13	US-10-039-103-51
7	35	35.4	19	10	US-09-594-555-91
8	33.5	33.8	16	10	US-09-747-902-33
9	33.5	33.8	16	10	US-09-665-294-25
10	33.5	33.8	16	16	US-10-789-619-33
11	33.5	33.8	16	17	US-10-861-614-25
12	32.3	32.3	16	17	US-08-124-550-B
13	32.3	32.3	20	17	US-10-776-013-316

Score 52: DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.11%;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 ISEASGTVPHAQDG 20

Db 1 INESFGVEPVHPQDG 15 Best Local Similarity 80.0%; Pred. No. 3.5%; Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

RESULT 2 US-10-354-240-41 Query Match 11 SGVYPVHADG 20 Database 1 GVEPVHPQDG 10

; Sequence 41, Application US/10354240
; PUBLICATION NO. US200301085847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; SEQ ID NO: 41
; LENGTH: 15
; SOFTWARE: PatentIn version 3.1
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27

US-10-354-240-41 Query Match 48.5%; Score 40; DB 14; Length 15; Best Local Similarity 71.4%; Pred. No. 0.52%; Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0; Result 5 US-10-044-703-51

Db 2 GNVLSEASGVVPY 15 Query Match 43.4%; Score 43; DB 14; Length 15; Best Local Similarity 80.0%; Pred. No. 3.5%; Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

RESULT 3 US-10-354-240-43 Query Match 10 SGVYPVHADG 20 Database 1 GVEPVHPQDG 10

; Sequence 43, Application US/10354240
; PUBLICATION NO. US200301085847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kino, Kohsuke
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; SEQ ID NO: 43
; LENGTH: 15
; SOFTWARE: PatentIn version 3.1
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29

US-10-354-240-43 Query Match 43.4%; Score 43; DB 14; Length 15; Result 6 US-10-239-103-51 Query Match 10 SGVYPVHADG 20 Database 1 GVEPVHPQDG 10

; Sequence 51, Application US/10239103
; PUBLICATION NO. US2004005796A1
; GENERAL INFORMATION:
; APPLICANT: Brown University Research Foundation
; APPLICANT: DeGroot, Anne S

TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
FILE REFERENCE: 1799-004-061
CURRENT APPLICATION NUMBER: US/10/239,103
CURRENT FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 09-813,333
PRIOR FILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: 60-190,834
PRIOR FILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SEQ ID NO: 51
LENGTH: 20
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51

Query Match 36.4%; Score 36; DB 15; Length 20;
Best Local Similarity 54.5%; Pred. No. 73; Indels 3; Gaps 0;
Matches 2; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 10 SGVYPVHQAQDG 20
Db 10 TAVVPLHRSQDG 20

RESULT 7
US-09-994-595-91
Sequence 91, Application US/0994595
Publication No. US20030039981A1
GENERAL INFORMATION:
APPLICANT: Bhattacharjee, J.
APPLICANT: Suvarna, Kalavati
APPLICANT: Bhattacharjee, Vasiker
TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN A BIOLOGICAL SAMPLE
FILE REFERENCE: 96-247-A
CURRENT APPLICATION NUMBER: US/09/994,595
CURRENT FILING DATE: 2001-11-27
PRIOR APPLICATION NUMBER: 08/650,809
PRIOR FILING DATE: 1997-05-20
NUMBER OF SEQ ID NOS: 160
SOFTWARE: Microsoft Word 97
SEQ ID NO: 91
LENGTH: 19
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.

US-09-994-595-91

Query Match 35.4%; Score 35; DB 10; Length 19;
Best Local Similarity 75.0%; Pred. No. 1e-02; Indels 2; Gaps 0;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 13 VPVHQAQDG 20
Db 9 VPTHKQDG 16

RESULT 8
US-09-747-802-33
Sequence 33, Application US/09747802
Publication No. US2003002/799A1
GENERAL INFORMATION:
APPLICANT: WANG, CHANG YI
TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR PREVENTION OF URINARY TRACT INFECTION
FILE REFERENCE: 1151-4165
CURRENT APPLICATION NUMBER: US/09/747,802
CURRENT FILING DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 88
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 33

Query Match 33.8%; Score 33.5; DB 10; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02; Mismatches 4; Indels 1; Gaps 1;
Matches 8; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 6 ISSEASGVYPVHQAQDG 20
Db 2 VSDVKGVV-VHKVDG 15

RESULT 9
US-09-865-294-25
Sequence 25, Application US/09865294
Publication No. US2003006832A1
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of Alzheimer's Disease
FILE REFERENCE: 1151-4167
CURRENT APPLICATION NUMBER: US/09/865,294
CURRENT FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 76
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 25
LENGTH: 16
TYPE: PRT
ORGANISM: Measles virus
US-09-865-294-25

Query Match 33.8%; Score 33.5; DB 10; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISSEASGVYPVHQAQDG 20
Db 2 VSDVKGVV-VHKVDG 15

RESULT 10
US-10-789-619-33
Sequence 33, Application US/10789619
Publication No. US2004014199A1
GENERAL INFORMATION:
APPLICANT: WANG, CHANG YI
TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR PREVENTION OF URINARY TRACT INFECTION
FILE REFERENCE: 1151-4165
CURRENT APPLICATION NUMBER: US/10/789,619
CURRENT FILING DATE: 2004-02-27
NUMBER OF SEQ ID NOS: 88
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 33
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: T HELPER
SEQUENCE: SEQUENCE DERIVED FROM MEASLES VIRUS
US-10-789-619-33

Query Match 33.8%; Score 33.5; DB 16; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISSEASGVYPVHQAQDG 20
Db 2 VSDVKGVV-VHKVDG 15

Db 2 VSDVKGVV-VHKVQDG 15

RESULT 11

; Sequence 25, Application US/10861614
; Publication No. US20040247612A1.

; GENERAL INFORMATION:

; APPLICANT: Wang, Chang Yi

; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of Alzheimer's Disease

; FILE REFERENCE: 1154-14-25

; CURRENT APPLICATION NUMBER: US/10/861,614

; CURRENT FILING DATE: 2004-06-04

; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 25

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Measles virus

; US-10-861-614-25

Query Match 33.8%; Score 33.5%; DB 17; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISSEASGVVPHQDG 20

Db 2 VSDVKGVV-VHKVQDG 15

RESULT 12

; Sequence 36, Application US/08424550B
; Publication No. US2002011947A1.

; GENERAL INFORMATION:

; APPLICANT: JOHN N. SIMONS

; APPLICANT: TAMI J. PILOT-MATIAS

; APPLICANT: GBORGE J. DAWSON

; APPLICANT: GEORGE G. SCHLAUDER

; APPLICANT: SURESH M. DESAI

; APPLICANT: THOMAS P. LEARY

; APPLICANT: ANTHONY SCOTT MUEHRHOFF

; APPLICANT: JAMES C. ERKER

; APPLICANT: SHERI L. BUIJK

; APPLICANT: ISA K. MUSHAWAR

; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS

; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE

; NUMBER OF SEQUENCES: 716

; CORRESPONDENCE ADDRESS:

ADDRESSEE: ABBOTT LABORATORIES D377/APGD
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/424,550B

FILING DATE:

CLASSIFICATION: 435435

ATTORNEY/AGENT INFORMATION:

NAME: POREMBSKI, PRISCILLA E.

REGISTRATION NUMBER: 33,207

REFERENCE/DOCKET NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 708-937-6365

TELEFAX: 708-938-2623

INFORMATION FOR SEQ ID NO: 366:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-424-550B-366

Query Match 32.3%; Score 32.; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 VPVHAQ 18

Db 4 VPVHAQ 9

RESULT 13

; Sequence 316, Application US/10776013
; Publication No. US20040226056A1

; GENERAL INFORMATION:

; APPLICANT: MYRIAD GENETICS, INC.

; APPLICANT: Roch, Jean-Marc

; APPLICANT: Bartel, Paul

; APPLICANT: Heichman, Karen

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND DISEASES

; FILE REFERENCE: 1600-24

; CURRENT APPLICATION NUMBER: US/10/776,013

; CURRENT FILING DATE: 2004-03-09

; PRIOR APPLICATION NUMBER: 09/948904

; PRIOR APPLICATION NUMBER: 09/466139

; PRIOR APPLICATION NUMBER: 09/948904

; PRIOR APPLICATION NUMBER: 09/948904

; PRIOR FILING DATE: 2001-09-10

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/113534

; PRIOR FILING DATE: 1998-12-22

; PRIOR APPLICATION NUMBER: 60/124120

; PRIOR FILING DATE: 1999-03-12

; PRIOR APPLICATION NUMBER: 60/141243

; PRIOR FILING DATE: 1999-06-10

; PRIOR APPLICATION NUMBER: 09/975072

; PRIOR FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240790

; PRIOR FILING DATE: 2000-10-17

; PRIOR APPLICATION NUMBER: 10/194567

; PRIOR FILING DATE: 2002-07-15

; PRIOR APPLICATION NUMBER: 60/304775

; PRIOR FILING DATE: 2001-07-13

; NUMBER OF SEQ ID NOS: 695

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO: 316

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-776-013-316

Query Match 32.3%; Score 32.; DB 17; Length 20;
Best Local Similarity 45.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 6 ISSEASGVVPH 16

Db 4 MSPSNNVVPIH 14

RESULT 14

; Sequence 49, Application US/09747802
; Publication No. US20030027979A1

; GENERAL INFORMATION:

; APPLICANT: WANG, CHANG YI

; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR PREVENTION OF URINARY TRACT INFECTION

FILE REFERENCE: 1151-4165
 CURRENT APPLICATION NUMBER: US/09/747,802
 CURRENT FILING DATE: 2000-12-22
 NUMBER OF SEQ ID NOS: 88
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 49
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: T HELPER
 OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
 US-09-747-802-49

Query Match 31.8%; Score 31.5; DB 10; Length 19;
 Best Local Similarity 47.1%; Pred. No. 3.9e+02;
 Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;
 Qy 4 VLISEASGVVPVHQDG 20
 : ||| : ||| : |
 Db 1 ISSEIKGVV-VHKIEG 16

RESULT 15
 US-09-747-802-55
 Sequence 55, Application US/09747802
 Publication No. US20030027979A1
 GENERAL INFORMATION:
 APPLICANT: WANG, CHANG YI
 TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
 PREVENTION OF URINARY TRACT INFECTION
 FILE REFERENCE: 1151-4165
 CURRENT APPLICATION NUMBER: US/09/747,802
 CURRENT FILING DATE: 2000-12-22
 NUMBER OF SEQ ID NOS: 88
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 55
 LENGTH: 19
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: T HELPER
 OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
 US-09-747-802-55

Query Match 31.8%; Score 31.5; DB 10; Length 19;
 Best Local Similarity 47.1%; Pred. No. 3.9e+02;
 Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;
 Qy 4 VLISEASGVVPVHQDG 20
 : ||| : ||| : |
 Db 1 ISSEIKGVV-VHKIEG 16

Search completed: January 26, 2005, 00:51:41
 Job time : 55.6 secs



Result No.	Score	Query	Match	Length	DB	ID	Description
1	72	72.7	20	3	US-08-467-023-39	Sequence 39, App1	COUNTRY: USA ZIP: 02154
2	52	52.5	15	4	US-09-142-524D-42	Sequence 42, App1	COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
3	48	48.5	15	4	US-09-142-524D-41	Sequence 41, App1	COMPUTER: IBM PC compatible
4	43	43.4	15	4	US-09-142-524D-43	Sequence 43, App1	OPERATING SYSTEM: PC-DOS/MS-DOS
5	43	43.4	20	3	US-08-467-023-40	Sequence 40, App1	SOFTWARE: Patent In Release #1.0, Version #1.25
6	35	35.4	19	4	US-09-105-568B-91	Sequence 91, App1	CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/467,023
7	33.5	33.8	16	3	US-09-100-414B-4	Sequence 4, App1	FILING DATE: June 6, 1995
8	33.5	33.8	16	3	US-09-100-409A-63	Sequence 63, App1	CLASSIFICATION: 424
9	33.5	33.8	16	3	US-09-303-323-4	Sequence 4, App1	PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/350,225
10	33.5	33.8	16	4	US-09-770-014-4	Sequence 4, App1	FILING DATE: December 6, 1994
11	33.5	33.8	16	4	US-09-701-588C-4	Sequence 4, App1	ATTORNEY/AGENT INFORMATION: NAME: Jane E. Remillard
12	33.5	33.8	16	4	US-09-747-802-33	Sequence 33, App1	REGISTRATION NUMBER: 38,872
13	33	33.3	14	3	US-09-112-096-11	Sequence 11, App1	REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
14	32	32.3	15	2	US-08-960-128-6	Sequence 6, App1	TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 227-7100
15	32	32.3	16	4	US-08-469-260A-366	Sequence 366, App1	TELEFAX: (617) 227-5941
16	32	32.3	16	4	US-08-488-446-366	Sequence 366, App1	INFORMATION FOR SEQ ID NO: 39:
17	32	32.3	16	4	US-08-467-344A-366	Sequence 366, App1	SEQUENCE CHARACTERISTICS: LENGTH: 20 amino acids
18	32	32.3	16	4	US-08-424-550B-366	Sequence 366, App1	TYPE: amino acid
19	31.5	31.8	19	3	US-09-100-414B-15	Sequence 15, App1	TOPOLOGY: linear
20	31.5	31.8	19	3	US-09-100-414B-21	Sequence 21, App1	MOLECULE TYPE: peptide
21	31.5	31.8	19	3	US-09-303-323-21	Sequence 21, App1	FRAGMENT TYPE: internal
22	31.5	31.8	19	4	US-09-303-323-21	Sequence 21, App1	
23	31.5	31.8	19	4	US-09-770-014-15	Sequence 15, App1	
24	31.5	31.8	19	4	US-09-770-014-21	Sequence 21, App1	
25	31.5	31.8	19	4	US-09-701-588C-15	Sequence 15, App1	
26	31.5	31.8	19	4	US-09-701-588C-21	Sequence 21, App1	
27	31.5	31.8	19	4	US-09-747-802-49	Sequence 49, App1	

ALIGNMENTS

RESULT 1
US-08-467-023-39
; Sequence 39, Application US/08467023
; Patent No. 609386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei Chang;
APPLICANT: Young, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmunoLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA

SUMMARIES

187706

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

LISTING

first 45 summaries

ISSUED PATENTS AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PICTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfile1.pep:*

US-08-467-023-39
 Query Match 72.7%; Score 72; DB 3; Length 20;
 Best Local Similarity 73.7%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
 Matches 14; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GNVLISEASGVVPHAQDG 20
 Db 2 GNVLINEFGVEVPHQDG 20

RESULT 2
 US-09-142-524D-42
 ; Sequence 42, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 42
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28

US-09-142-524D-42
 Query Match 52.5%; Score 52; DB 4; Length 15;
 Best Local Similarity 66.7%; Pred. No. 0.025; Indels 0; Gaps 0;
 Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 ISSEASGVVPHAQDG 20
 Db 1 INESFGVEVPHQDG 15

RESULT 3
 US-09-142-524D-41
 ; Sequence 41, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 41
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27
 ; US-09-142-524D-41
 ; Query Match 48.5%; Score 48; DB 4; Length 15;
 ; Best Local Similarity 71.4%; Pred. No. 0.12; Mismatches 2; Indels 0; Gaps 0;
 ; Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GNVLISEASGVVYPV 15
 Db 2 GNVLINEFGVVEPV 15

RESULT 4
 US-09-142-524D-43
 ; Sequence 43, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 43
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29

US-09-142-524D-43
 Query Match 43.4%; Score 43; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 0.82; Mismatches 0; Indels 0; Gaps 0;

Qy 11 GYVPVHQDG 20
 Db 1 GYEPVHPQDG 10

RESULT 5
 US-09-142-524D-40
 ; Sequence 40, Application US/08467023
 ; Patent No. 6030386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffeth, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian P.;
 ; APPLICANT: Garman, Richard D.;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.;
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154

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SEQUENCE 4, Application US/09100414B
Patent No. 6025468
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: NOVEL LRHR PEPTIDE
NUMBER OF SEQUENCES: 106
TITLE OF INVENTION: IMMUNOGENS
CORRESPONDENCE ADDRESS: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025..6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-40

Query Match Score 43; DB 3; Length 20;
Best Local Similarity 80%; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Matches 8; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

RESULT 6
US-09-106-568E-91
; Sequence 91, Application US/09106568E
; Parent No. 6455248
; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.
; APPLICANT: Suvarna, Kalavati
; APPLICANT: Bhattacharjee, Vaker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN TISSUE OF INVENTION: A BIOTLOGICAL SAMPLE
; FILE REFERENCE: 96_247-A
; CURRENT APPLICATION NUMBER: US/09/106,568E
; CURRENT FILING DATE: 1998-06-29
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SEQ ID NO: 91
; SOFTWARE: Microsoft Word 97
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACV5_CBPAC shown in Figure 4.
US-09-106-568E-91

Query Match Score 35; DB 4; Length 19;
Best Local Similarity 75.0%; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

RESULT 7
US-09-106-414B-4
; Sequence 7, Application US/09/106,414B
; Parent No. 6455248
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION FOR PREVENTION AND TREATMENT OF HIV INFECTION
; TITLE OF INVENTION: IMMUNE DISORDERS
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS: MORGAN & FINNEGAN
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,414B-4
FILING DATE: 1998-06-29

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CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 1151-4154
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 63 :
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-100-409A-63

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35; Indels 1; Gaps 1;
Matches 8; Conservative 2; Mismatches 4;

Qy 6 ISEASGVVPHAQDG 20
Db 2 VSDVKGVV-VHKYDVG 15

RESULT 9
US-09-303-323-4
Sequence 4, Application US/09303323
Patent No. 6228387
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: NOVEL LHRH PEPTIDE
TITLE OF INVENTION: IMMUNOGENS
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,014
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 09/100,414
FILING DATE: 20-JUNE-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maria H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE DOCKET NUMBER: 1151-4157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: LINEAR
MOLECULE TYPE: peptide
US-09-770-014-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISSASGVVPHAQDG 20
Db 2 VSDVKGVV-VHKYDVG 15

RESULT 11
US-09-701-588C-4
Sequence 4, Application US/09701588C
Patent No. 6713301
GENERAL INFORMATION:
APPLICANT: UNITED BIOMEDICAL INC., ET AL.
TITLE OF INVENTION: ARTIFICIAL T HELPER CELL
EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC
PEPTIDE IMMUNOGENS
NUMBER OF SEQUENCES: 151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPHAQDG 20

```

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC Windows

CURRENT APPLICATION DATA:
 SOFTWARE: WORD 97
 APPLICATION NUMBER: US/09/701,588C
 FILING DATE: 29-NO-6713301-2002
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/100,414
 FILING DATE: 20-JUNE-1998

ATTORNEY/AGENT INFORMATION:
 NAME: Maria H. Lin
 REGISTRATION NUMBER: 29,323
 REFERENCE/DOCKET NUMBER: 1151-4158PC1

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-758-4800
 TELEFAX: 212-751-6849

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: LINEAR

MOLECULE TYPE: Peptide
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-701-588C-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
 Best Local Similarity 53.3%; Pred. No. 35; Indels 1; Gaps 1;
 Matches 8; Conservative 2; Mismatches 4;

Qy 6 ISEASGVVPHAQDG 20
 Db 2 VSDVKGVV-VHKYDGG 15

RESULT 12
 US-09-747-802-33
 Sequence 33, Application US/09747802
 Patent No. 6780966

GENERAL INFORMATION:
 APPLICANT: WANG, CHANG YI
 TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
 TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
 FILE REFERENCE: 1151-4165

CURRENT APPLICATION NUMBER: US/09/747,802
 CURRENT FILING DATE: 2000-12-22
 NUMBER OF SEQ ID NOS: 88
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 33

LENGTH: 16
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: T HELPER
 OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS

US-09-747-802-33

Query Match 33.8%; Score 33.5; DB 4; Length 16;
 Best Local Similarity 53.3%; Pred. No. 35; Indels 1; Gaps 1;
 Matches 8; Conservative 2; Mismatches 4;

Qy 6 ISEASGVVPHAQDG 20
 Db 2 VSDVKGVV-VHKYDGG 15

RESULT 13
 US-09-112-096-11
 Sequence 11, Application US/09112096
 Patent No. 6194152

GENERAL INFORMATION:

US-08-960-128-6

Job time : 16.9 secs

Query Match Score 32; DB 2; Length 15;
 Best Local Similarity 60.0%; Pred. No. 58;
 Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 5 LISEASGVVP 14
 Db 5 LVSESDVLP 14

RESULT 15

US-08-469-260A-366
 Sequence 366, Application US/08469260A
 Patent No. 6451578

GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
 APPLICANT: TAMI J. PILOT-MATIAS
 APPLICANT: GEORGE J. DAWSON
 APPLICANT: GEORGE G. SCHLAUDER
 APPLICANT: SURESH M. DESAI

APPLICANT: THOMAS P. LEARY

APPLICANT: ANTHONY SCOTT MUERHOF

APPLICANT: JAMES C. ERKER

APPLICANT: SHERI L. BUIJK

APPLICANT: ISAK MUSHAHWAR

TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
 NUMBER OF SEQUENCES: 716

CORRESPONDENCE ADDRESS:

ADDRESSEE: ABBOTT LABORATORIES
 STREET: 100 ABBOTT PARK ROAD
 CITY: ABBOTT PARK
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/469,260A

FILING DATE:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/424,550
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:

NAME: POREMBSKI, PRISCILLA E.
 REGISTRATION NUMBER: 33,207
 REFERENCE/DOCKET NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 708-937-6365

TELEFAX: 708-938-2623

INFORMATION FOR SEQ ID NO: 366:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-469-260A-366

Query Match Score 32; DB 4; Length 16;
 Best Local Similarity 100.0%; Pred. No. 63;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 VPVHAQ 18
 Db 4 VPVHAQ 9